



LEAD-BASED PAINT ABATEMENT OFFICERS' HOUSING CHARLESTON NAVAL COMPLEX CHARLESTON, SC



Prepared for:

DEPARTMENT OF THE NAVY SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON SC



Prepared by:

Supervisor of Shipbuilding, Conversion and Repair, USN, (SUPSHIP) Portsmouth Va., Environmental Detachment Charleston, S.C. 1899 North Hobson Ave.
North Charleston, SC 29405-2106

11 June 1999



DEPARTMENT OF THE NAVY

SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN PORTSMOUTH, VIRGINIA, ENVIRONMENTAL DETACHMENT CHARLESTON 1899 NORTH HOBSON AVENUE, BUILDING 30 NORTH: CHARLESTON, SOUTH CAROLINA 29405-2106

IN REPLY REFER TO:

Ser: 489 JUN 3 의 전쟁

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.

Environmental Detachment Charleston, SC (SPORTENVDETCHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command

Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS AA, OFFICERS' HOUSING,

CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the

Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters AA Clearance Sampling Results and HUD Visual Inspection Form

- 1. Abatement of lead-based paint (LBP) from Quarters AA located on Charleston Naval Complex is complete. The abatement was performed from 21 December 1998-10 February 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters AA.
- 2. Using procedures outlined in ref (a), a SPORTENVDETCHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters AA. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors	100 μg/ft ²
Interior Window Sills	$500 \mu g/ft^2$
Window Troughs	$800 \mu g/ft^2$
Soil	$2000 \mu\text{g/ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E. R. DEARHART



LEAD-BASED PAINT ABATEMENT QUARTERS AA OFFICERS' HOUSING CHARLESTON NAVAL COMPLEX CHARLESTON, SC



Prepared for:

DEPARTMENT OF THE NAVY SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON SC



Prepared by:

Supervisor of Shipbuilding, Conversion and Repair, USN, (SUPSHIP) Portsmouth Va., Environmental Detachment Charleston, S.C. 1899 North Hobson Ave.
North Charleston, SC 29405-2106

11 June 1999

Lead Hazard Control Visual Clearance Form

Date: 17 February, 1999

Name of clearance examiner: Ruth Zech License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM Property address 1345 Avenue G Apt. No: Quarters AA

Date cleanup completed: 12 February 1999 Time cleanup completed 1600

Abatement/interim control contractor name: Environmental Detachment Charleston

Address: 1899 North Hobson Avenue Telephone no. 843-743-6777

Check if repeat clearance examination _____

Room identifier	List all building components required to be treated in each room	Work on each Component Completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Fir, Rm 1	Windows	Yes	No	No	No
1 st Flr, Rm 2	Windows	Yes	No	No	No
1 st Flr, Rm 3	Windows	Yes	No	No	No
Kitchen	Windows	Yes	No	No	No
Bath 1	Doors	Yes	No	No	No
Porch 1	Columns/Lattice/Trim, Walls Doors & Jambs/ Casings, Ceiling, Floor	Yes	No	No	No
Porch 2	Columns/Lattice/Trim, Walls, Doors & Jambs/ Casings, Ceiling, Closet Ceiling, Window Screen	Yes	No	No	No
2 nd Flr Rm 1	Windows	Yes	No	No	No
2 nd Fir Rm 2	Windows	Yes	No	No	No
2 nd Flr Rm 3	Windows	Yes	No	No	No
Bath 2	Windows	Yes	No	No	No
Bath 3	Windows	Yes	No	No	No
Hall 4	Windows	Yes	No	No	No
Exterior	Awnings, Door Casings, Facia/Soffit, Window Sashes/Casings, Screen Sashes, Porch Columns/Lattice/Trim, Wall Side C, Elec Panel Side C, Foundation Flashing Side C	Yes	No	No	No

Exterior soil	Treated	_xNot treated
If treated, is bare soil present?	Yes	<u>N</u> o
Was contaminated soil removed?	Yes	<u>_x</u> No
Is additional soil treatment required?	Yes	<u>x</u> No
NOTES: All windows and casings replaced		
Cinnatura		
Signature		

Form	15.2	
V		

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date: 17 February 1999

Name of clearance examiner: Ruth Zech

License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM Property address 1345 Avenue G Apt. No: Quarters AA

Clearance categories:

- 1. Interior treatments without containment.
- 2. Interior teatments with containment.
- 3. Exterior work on painted surfaces.
- 4. Routine maintenance.
- 5. Soil work.

Sample number	Flr	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft²) (can be completed by lab)	Lab Results (μg/ft²) (can be completed by lab)	Pass or Fail
99AZ-014-01	_	BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft²	Р
99AZ-014-02	1	Rm 1	Floor (Side B, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-014-03	1	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 125 μg/ft²	Р
99AZ-014-04	1	Rm 2	Floor (Side B, in front of door)	2	12" x12"	1	< 25 μg/ft²	Р
99AZ-014-05	1	Rm 2	Window Trough (Side C)	2	12" x 4"	.33	< 76 μg/ft²	Р
99AZ-014-06	2	Rm 3	Floor (Side D, in front of door)	2	12" x12"	1	< 25 μg/ft²	Р
99AZ-014 - 07	2	Rm 3	Window Sill (Side B)	2	12" x 2-1/2"	.2	< 125 μg/ft²	Р
99AZ-014 - 08	2	Rm 2	Floor (Side D, in front of door)	2	12" x12"	1	< 25 μg/ft²	Р
99AZ-014-09	2	Bath 3	Window Trough (Side D)	2	12" x 4"	.33	< 76 μg/ft²	Р

Total number of samples on this page 9

	Page	1	of	1
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Date of sample collection 2/17/1999

Date shipped to lab 2/17/1999

Shipped by		
	(Signature)	

\triangle	 Form 15 3	 \wedge
V	romi 15.3	/

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date: 17 February, 1999

Name of clearance examiner: Ruth Zech License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM Property address 1345 Avenue G Apt. No: Quarters AA

Location	Bare or covered	Lab result (μg/g)
Side A Dripline	Bare	1244
Side B Dripline	Bare	706
		,
	Side A Dripline	Side A Dripline Bare

Sketch soil sampling plot plan. Collect only	the top 1/2" of soil.
Total number of samples on this page <u>2</u> Page <u>1</u> of <u>1</u>	
Date of sample collection 2/17/99	Date shipped to lab 2/17/99
Shipped by	
(Signature)	





A Division of Azimuth, Incorporated

9229 University Blvd.		
Charleston, SC 29406		
(000) 060 3565 F (003)	5.00	220

Name For Address 18: N. A. N. B. Project No. Contact Name TB Lawrey	Eax (803) 569-3282 Detachment Char 99 North Hobson A Charleston 5C 11 Hiers 743-677 AA Dust 1 Unusual Conditions / Poss	Phone No. 743-67 ible Interferences:	# of Samp 77 × 223 widelines	Special requests: Verbal results Fax report	1 2/24/99 P.O. Cfedit Card
Lab Use Only	Sample Number or Area	Sample Volume	Date Sampled	Media Type	Analysis Requested
/	99AZ-014-01	1	8Feb 99	DUST WIDE	Lead
<i></i>	99AZ-014 -02	1			
✓	99AZ- 014 -D3	,2			
	99AZ-014 -04				
	99AZ- D14 -05	<u> </u>			
/	99AZ-014-06	1			
	99AZ-014 -07	. 2			
	99AZ-014 -08				<u> </u>
	99AZ-014 -09	<u>•33</u>		4	
J	99AZ-014-10	soil		501L	
/	99AZ-014_11	soil	4	50iL	
					·.
	giene Association: Laborator				

	Alm .	_		·	ant-
, IN	Relinquished by: Le	Date Type	1328	Received by: Williams R. Hiers M	1328
] روشتم	Relinquished by William R. Hiers &	h 1997/899	1554	Received at Lab by: 1 MY TWILGON	21/17/99 1554
CUSTODY	Method of Shipment:			Sample Condition Upon Receipt: Acceptable	Other (explain)
Authorized	by:	Date			Encl (1)
	(Client Signature Must Accompany Request)				Page 4 of 8



CLIENT: SPORTENVDETCHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN.: John Lawrence

Project Info: Quarters AA

Purchase Ord: Credit Card-Tom Kizer

Workorder: 9902073

Received: 2/17/99 4:17:00 PM

Received by: McGuiggan T

Validated: 2/24/99 11:36:00 AM

Validated by: McGuiggan T

Approved: 2/24/99 11:36:00 AM

Approved by: McGuiggan T

Client Sample ID: 99AZ-014-01

Azimuth ID: 9902073-01

Test Method

' and Wipe mNIOSH 7082

Collection Date: 2/17/99

Sample Result <25 ug/ft2

Client Sample ID: 99AZ-014-02 Collection Date: 2/17/99

Azimuth ID: 9902073-02

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-014-03 Collection Date: 2/17/99

Azimuth ID: 9902073-03

Test Method Sample Result

Lead Wipe mNIOSH 7082 <125 ug/ft2

Client Sample ID: 99AZ-014-04 Collection Date: 2/17/99

Azimuth ID: 9902073-04

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Ke, .t Printed 2/24/99

Page 1 of 3

Encl (1)
Page 5 of 8

ciient Sample ID: 99AZ-014-05 Collection Date: 2/17/99

Azimuth ID: 9902073-05

Test Method Sample Result

Lead Wipe mNiOSH 7082 <76 ug/ft2

Client Sample ID: 99AZ-014-06 Collection Date: 2/17/99

Azimuth ID: 9902073-06

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-014-07 Collection Date: 2/17/99

Azimuth ID: 9902073-07

Test Method Sample Result

Lead Wipe mNIOSH 7082 <125 ug/ft2

Client Sample ID: 99AZ-014-08 Collection Date: 2/17/99

Azimuth ID: 9902073-08

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-014-09 Collection Date: 2/17/99

Azimuth ID: 9902073-09

Test Method Sample Result

Lead Wipe mNIOSH 7082 <76 ug/ft2

Client Sample ID: 99AZ-014-10 Collection Date: 2/17/99

Azimuth ID: 9902073-10

Test Method Sample Result

Lead mNIOSH 7082 0.1244 % by wt

Lead

Client Sample ID: 99AZ-014-11

Collection Date: 2/17/99

Azimuth ID: 9902073-11

Test Method

O.0706 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

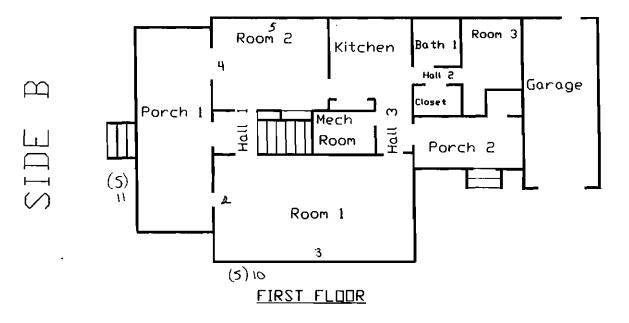
The detection limit for Lead in soil and on wipes is 0.5mg/L. A blank was not submitted with the wipes.

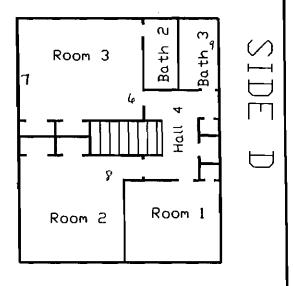
Final Approval: Drug M. Guiggan, Lab Manager

mNIOSH 7082

Date: February 24, 1999

SIDE C





SECOND FLOOR

SIDE A

SPORTENVDETCHASN 1899 North Hobson Ave. North Charleston, SC 29405-2106 Ph. (803) 743-6777 Floor PLan (Type HD-23) 1345 AVE. "G" QUARTERS (AA) Charleston Naval Complex Charleston, SC

DWG DATE:12 MAR 98

DWG NAME: Qtrs-AA

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LEAD-BASED PAINT ABATEMENT QUARTERS BB OFFICERS' HOUSING CHARLESTON NAVAL COMPLEX CHARLESTON, SC



Prepared for:

DEPARTMENT OF THE NAVY SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON SC



Prepared by:

Supervisor of Shipbuilding, Conversion and Repair, USN, (SUPSHIP) Portsmouth Va., Environmental Detachment Charleston, S.C. 1899 North Hobson Ave.
North Charleston, SC 29405-2106

11 June 1999



DEPARTMENT OF THE NAVY

SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN PORTSMOUTH, VIRGINIA ENVIRONMENTAL DETACHMENT CHARLESTON 1899 NORTH HOBSON AVENUE, BUILDING 30 NORTH CHARLESTON SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 457

JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.

Environmental Detachment Charleston, SC (SPORTENVDETCHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command

Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS BB, OFFICERS' HOUSING.

CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the

Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters BB Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters BB located on Charleston Naval Complex is complete. The abatement was performed from 13 February 1999- 01 March 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters BB.

2. Using procedures outlined in ref (a), a SPORTENVDETCHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters BB. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors	100 μg/ft ²
Interior Window Sills	500 μg/ft²
Window Troughs	$800 \mu g/ft^2$
Soil	2000 μg/ft ²

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E.R. DEARHART

Lead Hazard Control Visual Clearance Form

Date: 15 March 1999

Name of clearance examiner: Ruth Zech

License No. Pb27150-97038

Name of property owner: **SOUTHNAVFACENGCOM** Property address **1345 Avenue G**

Apt. no: Quarters BB

Date cleanup completed: 1 March 1999 Time cleanup completed 1600

Abatement/interim control contractor name: Environmental Detachment Charleston

Address: 1899 North Hobson Avenue Telephone no. 843-743-6777

Check if repeat clearance examination ___

Room identifier	List all building components required to be treated in each room	Work on each Component Completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Fl r , Rm 1	Windows	Yes	No	No	No
1 st Fir, Rm 3	Windows, Crown Moulding, Cabinet Doors	Yes	No	No	No
Hall 1	Doors	Yes	No	No	No
Hall 3	Crown Moulding, Stair Baseboards	Yes	No	No	No
Kitchen	Windows	Yes	No	No	No
Bath 1	Walls, Ceiling, Windows & Casings	Yes	No	No	No
Porch 1	Walls/Ceiling, Door/Jambs/Casings, Screen Sash, Columns/Lattice/Trim,	Yes	No	No	No
Porch 2	Walls/Ceiling, Doors/Jambs/ Casings, Columns/Lattice/Trim	Yes	No	No	No
2 nd Flr Rm 1	Windows & Stools, Baseboards, Doors & Jambs/Casings, Crown Moulding	Yes	No	No	No
2 ^{nc} Fir Rm 2	Windows & Stools, Walls & Baseboards, Crown Moulding, Closet Walls, Ceiling & Baseboards,	Yes	No	No	No
2 nd Flr Rm 3	Doors & Jambs/Casings, Walls/Baseboards/Ceiling, Crown Moulding, Closet Walls/Baseboards/Ceiling	Yes	No	No	No
Bath 2	Windows & Stools, Doors & Jambs/Casings, Walls, Ceiling	Yes	No	No	No
Bath 3	Windows & Stools, Walls, Doors & Jambs/Casings	Yes	No	No	No
Hall 4	Windows, Ceiling, Closet Doors, Overhead Door Casing	Yes	No	No	No
Exterior	Awnings, Garage Door Jambs, Doors & Jambs/Casings, Facia/Soffit, Window Sashes/Casings, Screen Sashes, Porch Columns/Lattice/Trim, Elec Panel, Foundation Flashing	Yes	No	No	No

Exterior soil	Treated	_xNot treated
If treated, is bare soil present?	Yes	<u> </u>
Was contaminated soil removed?	Yes	<u> </u>
Is additional soil treatment required?	Yes	<u>_x</u> No
NOTES: All windows and casings replaced		

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date: 15 March 1999

Name of clearance examiner: Ruth Zech License No. Pb27150-97038

Name of property owner: **SOUTHNAVFACENGCOM** Property address **1311 Avenue G** Apt. No: **Quarters BB**

Clearance categories:

1. Interior treatments without containment.

2. Interior teatments with containment.

3. Exterior work on painted surfaces.

4. Routine maintenance.

5, Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft²) (can be completed by lab)	Lab Results (μg/ft²) (can be completed by lab)	Pass or Fail
99AZ-021-01		BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft²	Р
99AZ-021-02	1	Rm 1	Floor (Side D, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-021-03	1	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 125 µg/ft²	Р
99AZ-021-04	1	Rm 3	Floor (Side D, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-021-05	1	Rm 3	Window Trough (Side C)	2	12" x 4"	.33	< 76 µg/ft²	Р
99AZ-021-06	2	Rm 1	Floor (Side B, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-021-07	2	Rm 1	Window Sill (Side D)	2	12" x 2-1/2"	.2	< 25 µg/ft²	Р
99AZ-021-08	2	Rm 2	Floor (Side C, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-021-09	2	Bath 2	Window Trough (Side B)	2	12" x 4"	.33	< 76 µg/ft²	Р

Total number of samples on this page 9

Page 1 of 1

Date of sample collection 3/15/1999

Date shipped to lab 3/16/1999

Shipped by

Signature)

Form	15.	3

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date: 15 March 1999

Name of clearance examiner: Ruth Zech

License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM

Property address 1311 Avenue G

Apt. No: Quarters BB

Sample number	Location	Bare or covered	Lab result (μg/g)
99AZ-021-10	Side A Dripline	Bare	920 µg/g
99AZ-021-11	Side D Dripline	Bare	910 µg/g
	-		
-			
			-
		_	

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page $\underline{2}$ Page $\underline{1}$ of $\underline{1}$

Date of sample collection 3/15/99

Date shipped to lab 3/16/1999

Shipped by

′Signatur∕e



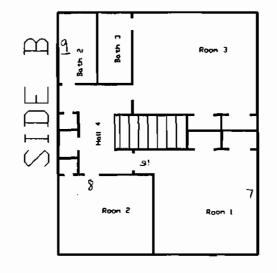


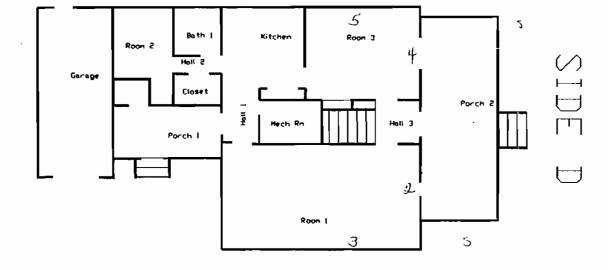
A Division of Azimuth, Incorporated

	29406 Fax (803) 569-3282 IRON MENTHI DE 99 NORTH HOB	SON AVE. 1, S.C. 29405-		Results needed by:	43-9413 3/23/99 POCREDIT CARD-TON
JB Lawre	nce /Ruth-Zech / Unusual Conditions / Poss PER APPENDI	743-67	77 x223 © UD Guic		
Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
<i>></i>	99AZ-021-Y	0941	3-18-99	DUST	Lead
ı	99AZ-021-02	0952			
✓	99AZ-021- D3	0955			
\checkmark	99AZ-021-04	1000			
	99AZ-021 05	1,355			
	99AZ-021-0/a	1003			
V	99AZ-021- 07	1007			
V	99AZ-021-08	1010			
1	99AZ-021-09	1357		\downarrow	
✓	99A7-D21-10	1015		soil	
V	99AZ-021- 11	1017	\downarrow	Tioc	¥.
				<u>, , , , , , , , , , , , , , , , , , , </u>	
oriogo ladustrio	Hygiene Association: Laborat	ony Apprenditation #25	7		

CHAIN	Relinquished by:	376789 447	Received by W. C. Huers, U	31679 1107
	Relinquished by: W. K. H. Leus, h	Des 18 12/41/	Received at Lab by Hallas C	34/1999 1447
CUSTODY	Method of Shipment.		Sample Condition Upon Receipt Acceptable	Cher (exclain)
Authorized	. by:	Date		Encl (1)
,	(Client Signature Must Accompany Request)	Date		Page 4 of 8

SIDE C





SECOND FLOOR

SIDE A

FIRST FLOOR

SPORTENVDETCHASN 1899 North Hobson Ave. North Charleston, SC 29405-2106 Ph. (803) 743-6777 Floor PLan (Type HD-23) 1311 AVE. "G" QUARTERS (BB) Charleston Naval Complex Charleston, SC

DWG DATE:12 MAR 98

DWG NAME: Qtrs-BB



CLIENT: SPORTENVDETCHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN .: Bill Hiers

Project Info: Quarters BB

Purchase Ord: Credit Card - Tom

Workorder: 9903086

Received: 3/16/99 4:12:00 PM

Received by: McGuiggan T

Validated: 3/23/99 7:41:00 AM

Validated by: McGuiggan T

Approved: 3/23/99 7:41:00 AM

Approved by: McGuiggan T

Client Sample ID: 99AZ-021-01 Collection Date: 3/15/99

Azimuth ID: 9903086-01

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-021-02 Collection Date: 3/15/99

Azimuth ID: 9903086-02

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-021-03 Collection Date: 3/15/99

Azimuth ID: 9903086-03

Test Method Sample Result

Lead Wipe mNIOSH 7082 <125 ug/ft2

Client Sample ID: 99AZ-021-04 Collection Date: 3/15/99

Azimuth ID: 9903086-04

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

ort Printed 3/23/99

Page 1 of 3

A Division of Azimuth, Incorporated

Encl (1)

Test

Client Sample ID: 99AZ-021-05

Azimuth ID: 9903086-05

Collection Date: 3/15/99

Method Sample Result

Lead Wipe mNIOSH 7082 <76 ug/ft2

Client Sample ID: 99AZ-021-06 Collection Date: 3/15/99

Azimuth ID: 9903086-06

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-021-07 Collection Date: 3/15/99

Azimuth ID: 9903086-07

Test Method Sample Result

Lead Wipe mNIOSH 7082 <125 ug/ft2

Client Sample ID: 99AZ-021-08 Collection Date: 3/15/99

Azimuth ID: 9903086-08

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-021-09 Collection Date: 3/15/99

Azimuth ID: 9903086-09

Test Method Sample Result

Lead Wipe mNIOSH 7082 <76 ug/ft2

Client Sample ID: 99AZ-021-10 Collection Date: 3/15/99

Azimuth ID: 9903086-10

Test Method Sample Result

Lead mNIOSH 7082 0.0920 % by wt

 Azimuth ID:
 9903086-11
 Collection Date:
 3/15/99

 Test
 Method
 Sample Result

 Lead
 mNIOSH 7082
 0.0910 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead on wipes and in soil is 0.50mg/L.

Final Approval: Drug Chug Con Lob Man Clogs

Date: Munch 23, 1999

Page 3 of 3



LEAD-BASED PAINT ABATEMENT QUARTERS CC OFFICERS' HOUSING CHARLESTON NAVAL COMPLEX CHARLESTON, SC



Prepared for:

DEPARTMENT OF THE NAVY SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON SC



Prepared by:

Supervisor of Shipbuilding, Conversion and Repair, USN, (SUPSHIP) Portsmouth Va., Environmental Detachment Charleston, S.C. 1899 North Hobson Ave.
North Charleston, SC 29405-2106

11 June 1999



DEPARTMENT OF THE NAVY

SUPERVISOR OF SHIPBUILDING. CONVERSION AND REPAIR. USN PORTSMOUTH, VIRGINIA. ENVIRONMENTAL DETACHMENT CHARLESTON :899 NORTH HOBSON AVENUE. BUILDING 30 NORTH CHARLESTON. SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 458

JUN 1 6 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.

Environmental Detachment Charleston, SC (SPORTENVDETCHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command

Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS CC, OFFICERS' HOUSING,

CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the

Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters CC Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters CC located on Charleston Naval Complex is complete. The abatement was performed from 22 February 1999- 01 March 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters CC.

2. Using procedures outlined in ref (a), a SPORTENVDETCHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters CC. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors $100 \mu g/ft^2$ Interior Window Sills $500 \mu g/ft^2$ Window Troughs $800 \mu g/ft^2$ Soil $2000 \mu g/ft^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E. R. DEARHART

Lead Hazard Control Visual Clearance Form

Date: 17 March 1999

Name of clearance examiner: Ruth Zech License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM Property address 1305 Avenue G Apt. No: Quarters CC

Date cleanup completed: 01 March 1999 Time cleanup completed 1600

Abatement/interim control contractor name: Environmental Detachment Charleston

Address: 1899 North Hobson Avenue Telephone no. 843-743-6777 Check if repeat clearance examination _____

Room identifier	List all building components required to be treated in each room	Work on each Component Completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Flr, Rm 1	Windows & Stools, Walls/Chair Rail/Crown Moulding	Yes	No	No	No
1 st Flr, Rm 2	Windows & Stools, Walls/Chair Rail/Crown Moulding	Yes	No	No	No
1 st Flr, Rm 3	Windows	Yes	No	No	No
Kitchen	Windows	Yes	No	No	No
Hall 1	Walls/Chair Rail/Crown Moulding	Yes	No	No	No
Hall 3	Walls	Yes	No	NO	No
Bath 1	Windows	Yes	No	No	No
Porch 1	Columns/Lattice/Trim, Walls/Ceiling, Doors & Jambs/ Casings, Elec Panel	Yes	No	No	No
Porch 2	Walls/Ceiling, Columns/Lattice/Trim, Doors & Jambs/Casings	Yes	No	No	No
2 ^{no} Flr Rm 1	Windows, Crown Moulding	Yes	No	No	No
2 nd Flr Rm 2	Windows & Casings	Yes	No	No	No
Bath 2	Windows	Yes	No	No	No
Bath 3	Windows	Yes	No	No	No
Hall 4	Windows, Walls/Chair Rail	Yes	No	No	No
Exterior	Awnings, Garage Door Casings, Facia/Soffit, Window Sashes/Casings, Screen Sashes	Yes	No	No	No

Exterior soil	Treated	_xNot treated
If treated, is bare soil present?	Yes	_ <u>x</u> _No
Was contaminated soil removed?	Yes	<u>_x</u> No
Is additional soil treatment required?	Yes	<u> </u>
MOTEO All toda on the translated		

Signature 7

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date: 17 March 1999

Name of clearance examiner: Ruth Zech License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM Property address 1305 Avenue G Apt. No: Quarters CC

Clearance categories:

1. Interior treatments without containment.

- 2. Interior teatments with containment.
- 3. Exterior work on painted surfaces.
- 4. Routine maintenance.
- 5. Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft²) (can be completed by lab)	Lab Results (μg/ft²) (can be completed by lab)	Pass or Fail
99AZ-022-01	1	Hall 1	Floor (Side B, in front of door)	2	12" x12"	1	< 25 µg/ft²	P
99AZ-022-02	1	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 25 µg/ft²	Р
99AZ-022-03	1	Rm 2	Floor (Side B, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-022-04	1	Rm 2	Window Trough (Side C)	2	12" x 4"	.33	< 140 µg/ft²	Р
99AZ-022-05	2	Rm 1	Floor (Side C, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-022-06	2	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 25 µg/ft²	Р
99AZ-022-07	2	Rm 3	Floor (Side D in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-022-08	2	Bth 3	Window Trough (Side D)	2	12" x 4"	.33	< 25 µg/ft²	Р
99AZ-022-09		BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft²	Р

Total number of samples on this page 9

Page 1 of 1

Date of sample collection 03/17/99

Date shipped to lab 04/16/99

Shipped by

(Signature)

Form	1	5	3
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Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date: 13 April 1999

Name of clearance examiner: Ruth Zech

License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM

Property address 1305 Avenue G

Apt. No: Quarters CC

Sample number	Location	Bare or covered	Lab result (μg/g)		
99AZ-022-10	Side C Dripline	Bare	1914 µg/g		
99AZ-022-11	Side D Dripline	Bare	788 µg/g		
<u> </u>					

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page 2

Page 1 of 1

Date of sample collection 4/13/99

Date shipped to lab 4/13/99

Shipped by

(Signature)



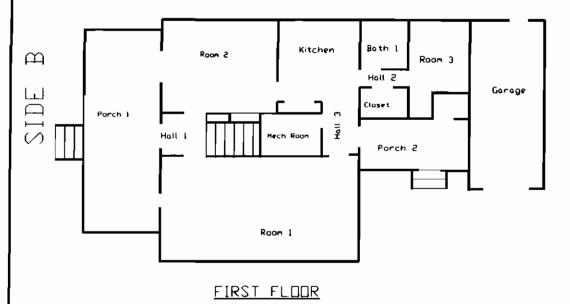


9229 University Blvd. Charleston, 2C 9906 (800) 968-3565 Fax (843) 569-8792 Name 200 Det Charleston Address 1379 North 45550 place Sample 1700 Project No. Project	A Division of Azimud	h, Incorporated				•
1800) 968-3505 Fax (843) 569-8792 Name						
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North Unaction Scample 19405 3106	Name <u>Lay</u>				Verbal results	
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9917-012-06 9917-012-07 3-15-99 3-15		99AZ- 022-04		3-15-59	Dust	Lead
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99AZ-p22-p8 3-13-99 Dust Lead 99AZ-p22-p9 3-15-99 Dust Lead 19AZ-p22-10 4-13-99 Soil Lead 19AZ-p22-11 4-13-99 Soil Lead		49AZ-082-06		3-15-99	DUST	Lead
99AZ DAZ-DA 3-15-99 DUST Lead 199AZ DAZ-DO 413-99 SOIL Lead 191AZ-DAZ-II 415-99 SOIL Lead		9917- DA2-57		3-15-99	Dust	Lead
19972 122-10 4-13-99 501 Lead 19972-122-11 4-13-99 5011 Lead		99AZ-pa2-p8		3-13-99	Dust	Lead
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American Industrial Hygiene Association: Laboratory Accreditation #367

CHAIN	Relinquished by.	Date: Type	508	Received by W. K. Huers . M.	1548
OF	Relinquished by W. R. H. e. h	PARTITION	1030	Received at Lab by	Date Jime TINA 103
CUSTODY	Method of Shipment:			Sample Condition Upon Receipt: - Acceptable	Other (explain)
Authorized	p4,	Date			Encl(1)
	(Client Signature Must Accompany Request)				Page 4 of 8
<u> </u>			_	<u> </u>	

SIDE C



Room 2

Room 2

Room 1

SECOND FLOOR

SIDE A

SPORTENVDETCHASN 1899 North Hobson Ave. North Charleston, SC 29405-2106 Ph. (803) 743-6777 Floor PLan (Type HD-23) 1305 AVE. "G" QUARTERS (CC) Charleston Naval Complex Charleston, SC

DWG DATE:12 MAR 98

DWG NAME: Qtrs-CC



CLIENT: SPORTENVDETCHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN .: Bill Hiers

Project Info: Quarters CC

Purchase Ord: Credit Card-Tom

Workorder: 9904088

Received: 4/14/99 11:25:00 AM

Received by: McGuiggan T

Validated: 4/20/99 11:38:00 AM

Validated by: McGuiggan T

Approved: 4/20/99 11:38:00 AM

Approved by: McGuiggan T

Collection Date: 3/15/99

Collection Date: 3/15/99

Sample Result

<25 ug

Client Sample ID: 99AZ-022-01

Azimuth ID: 9904088-01

Test Method

mNIOSH 7082 Lead Wipe

Client Sample ID: 99AZ-022-02

Azimuth ID: 9904088-02

Test

Lead Wipe

Method

mNIOSH 7082

Client Sample ID: 99AZ-022-03

Azimuth ID: 9904086-03

Test Lead Wipe Method

mNIOSH 7082

Collection Date: 3/15/99

Sample Result <25 ug

Sample Result <25 ug

Collection Date: 3/15/99

Client Sample ID: 99AZ-022-04

Azimuth ID: 9904088-04

Test

Method

Sample Result

_ead Wipe

mNIOSH 7082

140 ug

rt Printed 4/20/99

Page 1 of 3

Encl(1) Page 6 of 8 nt Sample ID: 99AZ-022-05 Collection Date: 3/15/99 Azimuth ID: 9904088-05 Test Method Sample Result _ead Wipe **mNIOSH 7082** <25 ua Client Sample ID: 99AZ-022-06 Collection Date: 3/15/99 Azimuth ID: 9904088-06 Test Method Sample Result _ead Wipe **mNIOSH 7082** <25 ug Client Sample ID: 99AZ-022-07 Collection Date: 3/15/99 Azimuth ID: 9904088-07 Method Test Sample Result Lead Wipe **mNIOSH 7082** Client Sample ID: 99AZ-022-08 Collection Date: 3/15/99 Azimuth ID: 9904088-08 Test Method Sample Result **mNIOSH 7082** Lead Wipe <25 ug Client Sample ID: 99AZ-022-09 Collection Date: 3/15/99 Azimuth ID: 9904088-09 Method Test Sample Result **mNIOSH 7082** _ead Wipe Client Sample ID: 99AZ-022-10 Collection Date: 4/13/99 Azimuth ID: 9904088-10 Test Method Sample Result **mNIOSH 7082** _ead 0.1914 % by wt

Jient Sample ID: 99AZ-022-11

Collection Date: 4/13/99

Azimuth ID: 9904088-11

Test

Lead

Method

Sample Result

mNIOSH 7082

0.0788 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No 11052

ELLAP Laboratory ID Number: 9044

The detection limit for Lead on wipes and in soil is 0.50mg/L.

Final Approval: DOLLA MCRUGGAD Lab Manager

Date: april 20, 1664



LEAD-BASED PAINT ABATEMENT QUARTERS FF OFFICERS' HOUSING CHARLESTON NAVAL COMPLEX CHARLESTON, SC



Prepared for:

DEPARTMENT OF THE NAVY SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON SC



Prepared by:

Supervisor of Shipbuilding, Conversion and Repair, USN, (SUPSHIP) Portsmouth Va., Environmental Detachment Charleston, S.C. 1899 North Hobson Ave.
North Charleston, SC 29405-2106

11 June 1999



DEPARTMENT OF THE NAVY

SUPERVISOR OF SHIPBUILDING CONVERSION AND REPAIR, USN PORTSMOUTH, VIRGINIA ENVIRONMENTAL OETACHMENT CHARLESTON 1899 NORTH HOBSON AVENUE BUILDING 30 NORTH CHARLESTON SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 459

JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.

Environmental Detachment Charleston, SC (SPORTENVDETCHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command

Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS FF, OFFICERS' HOUSING,

CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the

Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters FF Clearance Sampling Results and HUD Visual Inspection Form

- 1. Abatement of lead-based paint (LBP) from Quarters FF located on Charleston Naval Complex is complete. The abatement was performed from 23 November 1998- 21 January 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters FF.
- 2. Using procedures outlined in ref (a), a SPORTENVDETCHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters FF. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors	$100 \mu\mathrm{g/ft}^2$
Interior Window Sills	500 μg/ft ²
Window Troughs	$800 \mu g/ft^2$
Soil	2000 μg/ft ²

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E.R. DEARHART

Lead Hazard Control Visual Clearance Form

Date: 26 January, 1999

Name of clearance examiner: John Lawrence

License No. Pb27150-97023

Name of property owner: SOUTHNAVFACENGCOM Property address 1288 Avenue H Apt. no: Quarters FF

Date cleanup completed 21 January 1999 Time cleanup completed 1600

Abatement/interim control contractor name: Environmental Detachment Charleston

Address: 1899 North Hobson Avenue Telephone no. 843-743-6777 Check if repeat clearance examination ____

Room identifier	List all building compo- nents required to be treated in each room	Work on each Component completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Flr, Rm 1	Windows	Yes	No	NO	No
1 st Flr, Rm 2	Windows	Yes	No	No	10
1 st Flr, Rm 3	Windows, Doors	Yes	No	No	No
Hall 1	Doors	Yes	No	NO	No
Hall 3	Doors	Yes	No	NO	No
Bath 1	Windows	Yes	No	No	No
Porch 1	Columns/Lattice/Trim, Walls Doors Jambs/Casings, Ceiling	Yes	No	No	No
Porch 2	Columns/Lattice/Trim, Walls Doors Jambs/Casings, Ceiling	Yes	No	No	No
2 nd Flr Rm 1	Windows	Yes	No	No	No
2 ^{no} F ir Rm 3	Windows	Yes	No	No	No
Bath 2	Windows	Yes	No	No	No
Bath 3	Windows	Yes	No	No	No

Exterior soil	Treated	_xNot treated
If treated, is bare soil present?	Yes	<u>X_</u> No
Was contaminated soil removed?	Yes	_ <u>X</u> No
Is additional soil treatment required?	Yes	<u>x_</u> No
NOTEC: All colored and a spinor contact of		

NOTES: All windows and casings replaced

Signature

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date: 26 January 1999

Name of clearance examiner: John Lawrence

License No. Pb27150-97023

Name of property owner: SOUTHNAVFACENGCOM Property address 1288 Avenue H Apt. No: Quarters FF

Clearance categories:

- 1. Interior treatments without containment.
- 2. Interior teatments with containment.
- 3. Exterior work on painted surfaces.
- 4. Routine maintenance.
- 5. Soil work.

Sample number	Flr	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft²) (can be complete d by lab)	Lab Results (μg/ft 2) (can be completed by lab)	Pass or Fail
99AZ-009-1	1	Hall 1	Floor (Side B, in front of door)	2	12" x12"	1	< 25 µg/ft ²	Р
99AZ-009-2	1	Rm 1	Window Sill (Side B)	2	12" x 2-1/2"	.2	< 125 µg/ft²	P
99AZ-009-3	1	Rm 3	Floor (Side B)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-009-4	1	Rm 3	Window Trough (Side C)	2	12" x 4"	.33	< 75 µg/ft²	Р
99AZ-009-5	2	Rm 3	Floor(Side B, in front of door)	2	12" x12"	1	< 25 μg/ft²	Р
99AZ-009-6	2	Rm 3	Window Sill (Side D)	2	12" x 2-1/2"	.2	< 125 µg/ft²	Р
99AZ-009-7	2	Rm 1	Floor (Side B)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-009-8	2	Rm 1	Window Trough (Side D)	2	12" x 4"	.33	< 75 µg/ft²	Р
99AZ-009-9		BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft ²	P

Total number of samples on this page 9

Page 1 of 1

Date of sample collection 01/26/99

Date shipped to lab 01/26/99

Shipped by

Signature)

Form 15.3			/
101111 15.5	_	-	

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date: 26 January, 1999

Name of clearance examiner: John Lawrence

License No. Pb27150-97023

Name of property owner: **SOUTHNAVFACENGCOM** Property address **1288 Avenue H** Apt. No: **Quarters FF**

Sample number	Sample number Location		Lab result (μg/g)	
99AZ-009-10	Side D Dripline	Bare	470 µg/g	
99AZ-009-11	Side C Dripline	Bare	536 µg/g	
			_	
<u> </u>				
-				
-				

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page **2** Page **1** of **1**

Date of sample collection 1/26/99

Date shipped to lab 1/26/99

Shipped by

Signature)





A Division of Azimuth, Incorporated

9229 University Blvd. Charleston, SC 29406

	(800)	968-3565	Fax (803)	569-3282
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Name BILL HIERS
Address 1899 NORTH HOBSON AVE.
NORTH CHARLESTON, S.C.

Special requests:

Verbal results

Fax report

743-9413

Results needed by: 2/16/99

Project No.

Sample Type

Dust Wipe of Lead

P.O.

Credit CARD-Tom

Contact Name

Phone No.

Phone No.

Type

Type

Phone No.

Phone No.

Type

Type

Phone No.

Type

Type

Phone No.

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Phone No.

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Phone No.

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Type

Phone No.

Type

Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
/	99AZ-009-01	/		Dust Wipe	Lead
	49AZ-CO9-02			,	
	99AZ-009-03				
	199AZ-009-04				
\checkmark	99 AZ-009-05				
J	99AZ-009-06				
/	99AZ-009-07				
	99AZ-009-08-	/			
<i>\</i>	99AZ-019-09-	/		V	
✓	99AZ-009-010			50:1	
✓	99AZ-009-011			501	V

American Industrial Hygiene Association: Laboratory Accreditation #367

· .	Relinquished by	Date/Time 15/0	Received by Mike and	Date/Time
· ·	Relinquished by:	Daig [178/891/65	Received at Lab by / MYARAGY	Date/Time) 7/44
CUSTODY	Method of Shipment:		Sample Condition Upon Receipt:	Other (explain)
Authonzed	oy: This Thel	Date 1/27/99		Encl (1)
ı	(Client Signature Must Accompany Request)			Page 4 of 8

DWG DATE:14 Apr 98

DWG NAME: Q+-s-FF



CLIENT: SPORTENVDETCHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN .: Ruth Zech

Project Info: Quarters FF

Purchase Ord: Credit Card-Tom

Workorder: 9901104

Received: 1/27/99 11:50:00 AM

Received by: McGuiggan T

Validated: 2/2/99 3:54:00 PM

Validated by: McGuiggan T

Approved: 2/2/99 3:54:00 PM

Approved by: McGuiggan T

Client Sample ID: 99AZ-009-01 Collection Date: 1/26/99

Azimuth ID: 9901104-01

Test Method Sample Result

Lead Wipe mN1OSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-009-02 Collection Date: 1/26/99

Azimuth ID: 9901104-02

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-009-03 Collection Date: 1/26/99

Azimuth ID: 9901104-03

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-009-04 Collection Date: 1/26/99

Azimuth ID: 9901104-04

Test Method Sample Result

Lead Wipe mNiOSH 7082 <25 ug/ft2

h т Printed 2/2/99

Page 1 of 3

A Division of Azimuth, Incorporated

Encl (1) Page 6 of 8 uient Sample ID: 99AZ-009-05

Azimuth ID: 9901104-05

Collection Date: 1/26/99

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-009-06 Collection Date: 1/26/99

Azimuth ID: 9901104-06

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-009-07 Collection Date: 1/26/99

Azimuth ID: 9901104-07

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-009-08 Collection Date: 1/26/99

Azimuth ID: 9901104-08

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-009-09 Collection Date: 1/26/99

Azimuth ID: 9901104-09

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-009-010 Collection Date: 1/26/99

Azimuth ID: 9901104-10

Test Method Sample Result

Lead mNIOSH 7082 0 0470 % by wt

Quarters FF

Test

Ulient Sample ID: 99AZ-009-011

Azimuth ID: 9901104-11

Collection Date: 1/26/99

Method Sample Result

Lead mNIOSH 7082 0.0536 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AlHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for Lead on wipes and Lead in soil is 0.5mg/L. A surface area was not given with the wipes; therefore, one square foot (1ft2) was assumed.

Final Approval: LOWY M'GUIGGAN, Lab Manager

Date: February 3, 1999



LEAD-BASED PAINT ABATEMENT QUARTERS GG OFFICERS' HOUSING CHARLESTON NAVAL COMPLEX CHARLESTON, SC



Prepared for:

DEPARTMENT OF THE NAVY SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON SC



Prepared by:

Supervisor of Shipbuilding, Conversion and Repair, USN, (SUPSHIP) Portsmouth Va., Environmental Detachment Charleston, S.C. 1899 North Hobson Ave.
North Charleston, SC 29405-2106

11 June 1999



DEPARTMENT OF THE NAVY

SUPERVISOR OF SHIPBUILDING CONVERSION AND REPAIR, USN PORTSMOUTH VIRGINIA, ENVIRONMENTAL DETACHMENT CHARLESTON 1899 NORTH HOBSON AVENUE BUILDING 30 NORTH CHARLESTON, SOUTH CAROLINA 29405-2106

IN REPLY REFER TO:

Ser: 460

JUN 15 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.

Environmental Detachment Charleston, SC (SPORTENVDETCHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command

Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS GG, OFFICERS' HOUSING,

CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the

Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters GG Clearance Sampling Results and HUD Visual Inspection Form

- 1. Abatement of lead-based paint (LBP) from Quarters GG located on Charleston Naval Complex is complete. The abatement was performed from 20 December 1998- 22 January 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters GG.
- 2. Using procedures outlined in ref (a), a SPORTENVDETCHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters GG. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors	$100 \mu\mathrm{g/ft}^2$
Interior Window Sills	$500 \mu g/ft^2$
Window Troughs	$800 \mu g/ft^2$
Soil	$2000 \mu\mathrm{g/ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E. R. DEARHART

Lead Hazard Control Visual Clearance Form

Date: 25 January 1999

Name of clearance examiner: John Lawrence

License No. Pb27150-97023

Name of property owner: **SOUTHNAVFACENGCOM** Property address **1294 Avenue G** Apt. No: **Quarters GG**

Date cleanup completed 22 January 1999 Time cleanup completed 1600

Abatement/interim control contractor name: Environmental Detachment Charleston

Address: 1899 North Hobson Avenue Telephone no. 843-743-6777 Check if repeat clearance examination

Room identifier	List all building compo- nents required to be treated in each room	Work on each Component completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Flr, Rm 1	Windows & Valance	Yes	No	No	No
1 st Flr, Rm 2	Valance	Yes	No	No	No
1 st Flr, Kitchen	Windows	Yes	No	No	No
Hall 1	Door Jamb	Yes	No	No	No
Bath 1	Windows & Window Casing	Yes	No	No	No
Porch 1	Columns/Lattice/Trim, Ceiling	Yes	No	No	No
Porch 2	Columns/Lattice/Trim, Ceiling	Yes	No	No	No
2 ^{na} Flr Rm 1	Windows & Window Stools	Yes	No	No	No
2 nd Flr Rm 2	Windows, Door Jambs/Casings	Yes	No	No	No
Bath 2	Windows	Yes	No	No	No
Bath 4	Windows	Yes	NO	No	No
Hall 4	Windows, Ceiling, Ceiling Fan Casing	Yes	No	No	No

Exterior soil	Treated	X_Not treated
If treated, is bare soil present?	Yes	XNo
Was contaminated soil removed?	Yes	<u>X</u> No
Is additional soil treatment required?	Yes	<u>X</u> No

NOTES: All windows and casings replaced

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date: 26 January 1999

Name of clearance examiner: John Lawrence

License No. Pb27150-97023

Name of property owner: **SOUTHNAVFACENGCOM** Property address **1294 Avenue H** Apt. no: **Quarters GG**

Clearance categories:

1. Interior treatments without containment.

2. Interior teatments with containment.

Exterior work on painted surfaces.

4. Routine maintenance.

5. Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft²) (can be completed by lab)	Lab Results (μg/ft 2) (can be completed by lab)	Pass or Fail
99AZ-010-1	1	Rm 1	Floor (Side C, by door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-010-2	1	Rm 1	Window Sill (Side D)	2	12" x 2-1/2"	.2	< 125 µg/ft²	Р
99AZ-010-3	1	Kitchen	Floor (Side B, by door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-010-4	1	Rm 2	Window Trough (Side C)	2	12" x 4"	.33	< 75 μg/ft²	Р
99AZ-010-5	2	Rm 3	Floor (Side D, by entry Door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-010-6	2	Rm 3	Window Sill (Side B)	2	12" x 2-1/2"	.2	< 125 µg/ft²	Р
99AZ-010-7	2	Rm 1	Floor (Side C, by Door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-010-8	2	Rm 1	Window Trough (Side D)	2	12" x 4"	.33	< 75 µg/ft²	Р
99AZ-010-9		BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft²	Р

Total number of samples on this page 9

Page 1 of 1

Date of sample collection 1/26/1999

Date shipped to lab 1/26/99

Shipped by

(Signature)

Form	1	5	3
I VI III		J.	

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date: 25 January, 1999

Name of clearance examiner: John Lawrence

License No. Pb27150-97023

Name of property owner: SOUTHNAVFACENGCOM Property address 1294 Avenue H Apt. no: Quarters GG

Sample number	ample number Location		Lab result (μg/g)		
99 AZ- 010-10	Side A Dripline	Bare	269 µg/g		
99AZ-010-11	Side B Dripline	Bare	305 µg/g		

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page 2

Page **1** of **1**

Date of sample collection 1/26/99

Date shipped to lab 1/26/99

Shipped by





A Division of Azimuth, Incorporated

Name Envi Address	199 North Hobso	n Ave	harkston nue 105-2106		Results no	uits	1 1
Special Instruction) (ence s / Unusual Conditions / I	Possible In	Phone No.	7 x22	11	Date Shi	` '
Hnalyze Lab Use	Per Appendix &		mple Volume	Data			Analysia
Only	or Area		or Time	Sampled	Media	Гуре	Requested
	99AZ-DIO- 01				Dust W	ipe !	Lead
	99AZ-010 -08						
	99AZ-010 -0=	34		_			
	199AZ-010 - 04						
✓	199AZ-010 -05						
	199AZ-DIO -OL						
/	99AZ-DIO -0	7+					
	99A7-DID -08	}					
	94AZ-010 -09						
<u>-</u>	99AZ-010 -10				501		
,	99AZ-DIU - 11				50i)		
	,,,,=						
American Industrial	Hygiene Association: Labo	oratory Ac	creditation #367	,	1		
Relinquished by	202	Date/Time		eived by Mike		<u> </u>	Data/Tigne
Method of Shipment:		Date 1/Z	San	ple Condition Upon	Receipt:	-Acceptable	Other (exp



CLIENT: SPORTENVDETCHASN

1899 N Hobson Ave., BLDG. 30 N. Charleston, SC 29405-2106

ATTN.: John Lawrence

Project Info: Quarters GG

Purchase Ord: Credit Card-Tom

Workorder: 9901105

Received: 1/27/99 11:50:00 AM

Received by: McGuiggan T

Validated: 2/2/99 3:50:00 PM

Validated by: McGuiggan T

Approved: 2/2/99 3:50:00 PM

Approved by: McGuiggan T

Client Sample ID: 99AZ-010-01 Collection Date: 1/26/99

Azimuth (D: 9901105-01

Test Method Sample Result

l ead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-010-02 Collection Date: 1/26/99

Azimuth ID: 9901105-02

Test Method Sample Result

Lead Wipe mNtOSH 7082 <25 uq/ft2

Client Sample ID: 99AZ-010-03 Collection Date: 1/26/99

Azimuth ID: 9901105-03

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-010-04 Collection Date: 1/26/99

Azimuth ID: 9901105-04

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

A Jrt Printed 2/2/99

Page 1 of 3

Encl (1)

rient Sample ID: 99AZ-010-05 Collection Date: 1/26/99

Azimuth ID: 9901105-05

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-010-06 Collection Date: 1/26/99

Azimuth ID: 9901105-06

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-010-07 Collection Date: 1/26/99

Azimuth ID: 9901105-07

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-010-08 Collection Date: 1/26/99

Azimuth ID: 9901105-08

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-010-09 Collection Date: 1/26/99

Azimuth ID: 9901105-09

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-010-10 Collection Date: 1/26/99

Azimuth ID: 9901105-10

Test Method Sample Result

Lead mNIOSH 7082 0 0269 % by wt

Test

Lead

Ciient Sample ID: 99AZ-010-11

Azimuth ID: 9901105-11

Collection Date: 1/26/99

Method

mNIOSH 7082

Sample Result
0.0305 % by wt

Date: February 3, 1999

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

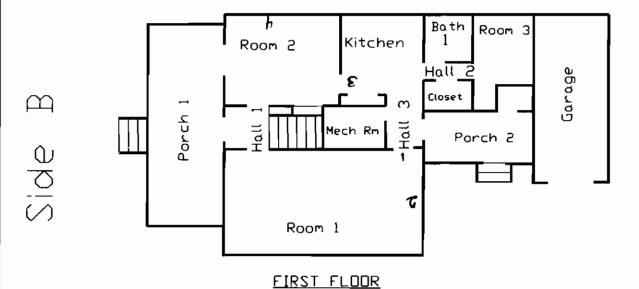
NY State ELAP Lab No 11052

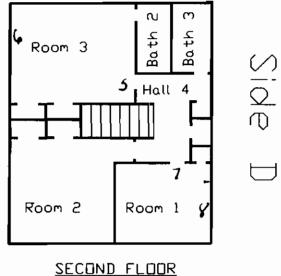
ELLAP Laboratory ID Number: 9044

The detection limit for Lead on wipes and Lead in soil is 0.5mg/L. A surface area was not indicated for the wipes; therefore, one square foot (1ft2) was assumed.

Final Approval: DNUSIM GUZGUN, LOB MUNOGET

Side C





Side A

SPORTENVDETCHASN 1899 North Hobson Ave. North Charleston, SC 29405-2106 Ph. (803) 743-6777 Floor PLan (Type HD-23) 1294 AVE. "H" QUARTERS (GG) Charleston Naval Complex Charleston, SC

DWG DATE:14 Apr 98

DWG NAME: Qtrs-GG



LEAD-BASED PAINT ABATEMENT QUARTERS HH OFFICERS' HOUSING CHARLESTON NAVAL COMPLEX CHARLESTON, SC



Prepared for:

DEPARTMENT OF THE NAVY SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON SC



Prepared by:

Supervisor of Shipbuilding, Conversion and Repair, USN, (SUPSHIP) Portsmouth Va., Environmental Detachment Charleston, S.C. 1899 North Hobson Ave.
North Charleston, SC 29405-2106

11 June 1999

DEPARTMENT OF THE NAVY PERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR. I



SUPERVISOR OF SHIPBUILDING. CONVERSION AND REPAIR. USN PORTSMOUTH. VIRGINIA. ENVIRONMENTAL DETACHMENT CHARLESTON 1899 NORTH HOBSON AVENUE. BUILDING 30 NORTH CHARLESTON. SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 445

JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.

Environmental Detachment Charleston, SC (SPORTENVDETCHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command

Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS HH, OFFICERS' HOUSING,

CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the

Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters HH Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters HH located on Charleston Naval Complex is complete. The abatement was performed from 9 June 1998- 16 November 1998, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters HH.

2. Using procedures outlined in ref (a), a SPORTENVDETCHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters HH. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Initial samples tested above the HUD lead levels. Quarters HH was recleaned and resampled per HUD Guidelines. Second sampling results revealed lead levels below the following HUD Limits:

Floors $100 \mu g/ft^2$ Interior Window Sills $500 \mu g/ft^2$ Window Troughs $800 \mu g/ft^2$ Soil $2000 \mu g/ft^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E. R. DEARHART





Form 15.1 Lead Hazard Control Visual Clearance Form

Date 10/6/98
Name of clearance examiner J. B. LAWRENCE
License no. (if applicable) <u>Pb 27/50 - 97023</u>
Name of property owner USNBVY
Property address 1304 AVE. "H" CNC Apt. no. HH
Date cleanup completed
Time cleanup completed
Abatement/interim control contractor name <u>ENV/RONMENTAL</u> DETACHMENT CHARLESTON
Address 1899 NORTH HORSON AVE, NORTH CHARLESTON, SC 2940
Telephone no. (843) 743 - 6777

Check if repeat clearance examination ______

Room identifier	List all building compo- nents required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
FLORI RMI	DAOKS, WINDOWS, WALLS, CEPLING	YES	No	No	No
FLOOR / RM2	DODRS, WINDOWS	VES	No	11/2	No
FLOOR 1 RM3	WALLS, CEILINGS	YES	No	No	No
FLAXE RADIL	שממנונע	1/05	No	No	No
FLOOR / KIRCHE	U WINDOW	Vēs	No	No	No
FLOSE / HALL]	WALLS	VES	No_	110	No
FLOOR! HALL	PAINTED	VES	No	No	No
FLORE / HALLS	WRLLS; CLOSET, CEILING	NES	100	No	No
FLOOR 2 RM/	DOORS, WINDOWS WALLS, CELLING, CLOSETS	VES	No	No	No_
FLLORZ PNZ		VES	No	No	No
Fuce 2 RM3	WALLS, CEILING CLOSETS	VES	100	No	No

Exterior soil	Treated	A Not treated
If treated, is bare soil present?	Yes	No
Was contaminated soil removed?	Yes	No
Is additional soil treatment required?	Yes	<u></u> No
NOTES:		

Signature

18 Jourence 10/6/98





Form 15.1 Lead Hazard Control Visual Clearance Form

Date	16/98				
/		LAWFERKE			
License no. (if applicable) Pb 2713	50-97023			
	perty owner <u>US NAV</u>	Ý			
	ress 1304 AVE"H"	CNC	Apt. no. <u> </u>	H	
Date cleanup	completed 10/5/98				
	completed /oco				
Abatement/in	terim control contractor name	e <u>ENV/PONME</u>	UTAL DETACK	MENT CHARL	ESTOU
	Address	e ENV/KONFIEI 1899 / NORTH 1842 / 7/	HOBSON AVE	<u>: Noety</u> CH	GRIESTEN, SC
	Telephon	е по. <u>(843) 7</u> 4	43-6777		
Check if repe	at clearance examination				
Room identifier	List all building compo- nents required to be	Work on each component	Visible paint chips seen?	Visible settled	Additional work
	treated in each room	completed? (yes or no)	(yes or no)	dust seen? (yes or no)	required?
Fine 2 BOTH2	WINDOW	VES	No	No	No
FLORZ BETH 3	WINDOW	YES_	No	No	No
FOOR 2 HALL 4	WALLS, CLOSE T, CEILING STAIRWELL	1/ES_	N_0	No	No
PORCH!	COLUMNS	1/2-5	Nb	No	No
PORCH 2	DOORS, WALLS,	1/65	1k	No	No
		/	, 0		
Exterior soil		Treated	_Not treated	<u>-</u>	
If treated, is b	are soil present?	Yes	No		
Was contamin	nated soil removed?	Yes	No		
Is additional s	oil treatment required?	Yes	No		
NOTES:					
Signature	Jourence The Source	10/6/98			





Form 15.2

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date <u>/0/6/98</u>
Name of clearance examiner JB KAWRENCE
License no. (if applicable) <u>Pb 27150 - 97023</u>
Name of property owner <u>O 5 N/k/y</u>
Property address 1304 AVE H" CIX Apt. no. HH

- Clearance categories:
 - 1. Interior treatments without containment.
 - 2. Interior teatments with containment.
 - 3. Exterior work on painted surfaces.
 - 4. Routine maintenance.
 - 5. Soil work.

Sample number	Room number or identifier	Surface type (floor, interior window sill, window trough)	Clearance category number	Dimensions of sample area (inches)	Area (ft²) (can be completed by lab)	Result of lab analysis (µg/ft²) (can be completed by lab)	Pass or Fail
99AZ-201-1	RM3 FL1	FLOUR 3	2	12" × 12"]	< 25	P
99AZ-001-2	RAJ FLI	WINDOWSILL	2	24"x12"	.1875	133	P
99NZ-001-3	1	FLOOR MORI	2	12" x12"	<i>j</i>	5 i	P
99AZ-001-4	l *	WINDOW SILL	2	24"x12"	.1875	139	P
99/17-101-5	BLANK					<25	Р
99/12-001-6		FLOOP DOOK	2	12" x12"	1	<25	p
9912 001-7		WINDOW TROOM	2	45" x 12"	.375	1139	F
99AZ-001-8		FLOOR AND	2	12" ×12"		425	P
		WINDOWITESKA	2	45" x 12"	-375	515	P

Total number of samples on this page	
Page/ of	
Date of sample collection 10+06/98 Date ship	oped to lab <u>io lo7 / 98</u>
Shipped by Jawn Once	Received by W. K. Hiero, Jr.
(Signature)	(Signaturay





Form 15.2
Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date
Name of clearance examiner TB LAURENCE
License no. (if applicable) <u>Pb 27/50 - 97023</u>
Name of property owner
Property address 1304 RVE"H" CNC Apt. no. HH

- Clearance categories:
 - 1. Interior treatments without containment.
 - (2.)Interior teatments with containment.
 - 3. Exterior work on painted surfaces.
 - 4. Routine maintenance.
 - 5. Soil work.

Sample number	Room number or identifier	Surface type (floor, interior window sill, window trough)	Clearance category number	Dimensions of sample area (inches)	Area (ft²) (can be completed by lab)	Result of lab analysis (µg/ft²) (can be completed by lab)	Pass or Fail
99/12-001-10	PORCH 1	FLOOR FLOOR	2	12"×12"	<u> </u>	162	F
						_	
		_	_				
				_			

Total number of samples on this page/	
Page2 of2	
Date of sample collection 10,06198 Date ship	ped to lab 10/07/98
Shipped by Anaromo	Received by Will. Hiers, h
() (Signature)	(Signature)/

•

Chapter 15: Clearance -



Form 15.3 Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Lead Haza	rd Control Clearance Soi	I Sampling Form (Composite	e Sampling Only)
Date <u>10/6/98</u>			
Name of clearance exami	ner JB LAWREN	re-	
License no. (if applicable)	P627150-970	23	
Name of property owner_			
Property address/ <u>304 A</u>	<i>'VE["]H" CNC</i> Apt. no	<u>HH_</u>	
Sample number	Location	Bare or covered	Lab resu
	building perimeter		
	building perimeter		

Sample number	Location	Bare or covered	Lab result (μg/g)
	building perimeter		
	building perimeter		
			1
	1.7.).	<i>λ</i>
	A Joseph Si	MARINA 3	7 1
	1	/ / /	4
2_			
Jal	on Mals	2 (JULIAGA	Aud
,	· _		
	ZNNNUNO	///071	
)• • • • • • • • • • • • • • • • • • •	J	

(Signature)	(Signature)	
Shipped by	Received by	
Date of sample collection/ Da	ate shipped to lab//	
Page of		
Total number of samples on this page		
Sketch soil sampling plot plan. Collect only th	ne top 1/2" of soil.	

creditional-Ter



Project No.

A Division of Azimum, Incomo-

9229 University Blvd. Charleston, SC 19406 (800) 968-3565 Fax (803) 569-3282

Vive as Washington

Not the Charleston 29405-2100

Sample Type

load dust ands

Test Request Form

Special requests	Ľ			
Verbai results	<u> </u>	ا_ب	عمدو	YOUNG
Fex report	125			
Fex 4 7U	3-74	しょ		
Results needed	by:	<u> </u>	198	

only	Sample Number or Ame	Sample Volume or Time	Date Samped	Media Type	Analysis Requested
<u> </u>	99AZ-101-1	1432	1016198	0057	LERD
	9987-001-2	1442	10/6/93	DUST	LEAD
/	9982-001-3	1446	10/6/9/8	DUST	LEAD
	9987-001-4	1451	10/6/98	DUST	LEAD
✓	9982-001-5	1457	10/6/99	DUST	LEAD
√	99,67-001-6	1501	10/6/98	DUST	LERD
V	9982-001-7	1512	10/6/98	DUST	IERD
	9987-001-8	1518	10/6/98	DUST	LEND
	9917-001-9	1521	10/6/98	DUST	IEAD
J	99NZ-001-10	1525	10/6/98	DUST	LEAD
			'		
			1 1		1

of Samoles

American industrial Hygiene Association: Laboratory Accreditation #357. National Institute of Standards and Technology: NVLAP Libboratory Code #1050.

CHAN	Raineurenee by:	TAUDOMAR	18/6/98 15461	Parcenned Dr. (4) R. H. ens. M.	10/6/188 1546
_ OF	Resnousenes ov: UW.	K. Hiers M.	19077198 16051	Paramet & Lat by SIN Subject AD	12=01019011198/1605
· •	Method of Shament	- 0		Sample Condition Upon Receipt: Acceptable	Other (expant)
· utrores	·	ME ACCOMPANY PROJUGIS	Dale		



CLIENT: SPORTENVDETCHASN

1899 N Hobson Ave., BLDG. 30 N. Charleston, SC 29405-2106

ATTN.: John Lawrence

Project Info: QTR HH

Purchase Ord: Credit Card - Tom

Workorder: 9810036

Received: 10/14/98 2:39:00 PM

Received by: Wiese D

Validated: 10/14/98 4:28:00 PM

Validated by: McGuiggan T

Approved: 10/14/98 4:28:00 PM

Approved by: McGuiggan T

Client ID	Test Requested
99AZ-001-1	HUD Lead Wipe
99AZ-001-2	HUD Lead Wipe
99AZ-001-3	HUD Lead Wipe
99AZ-001-4	HUD Lead Wipe
99AZ-001-5	HUD Lead Wipe
3AZ-001-6	HUD Lead Wipe
99AZ-001-7	HUD Lead Wipe
99AZ-001 -8	HUD Lead Wipe
99AZ-001-9	HUD Lead Wipe
99AZ-001-10	HUD Lead Wipe

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

ELLAP Laboratory ID Number, 9044

Final Approval: Dry & M. Griggen, Laboranager

Date: 010/06/15,1948

he, It Printed 10/15/98

Page 1 of 1

AZIMUTH LABORATORIES

PAGE

Order #: 9810036 Project : QTR HH

Laboratory Results

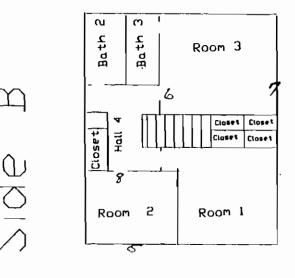
HUD Lead Wipe

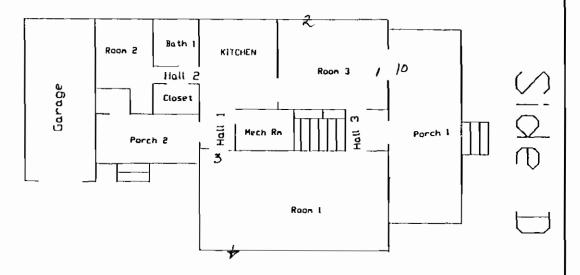
Analytical Method: Inductively Coupled Plasma Atomic Emission Spectrometry by modified NIOSH 7300.

Sample Description	Amount (ug)	Area (ft2) Resul	t (ug/ft2)
99AZ-001-1	<25	1.000	<2 5
99AZ-001-2	₹25	1.000	<25
99AZ-001-3	51	1.000	51
99AZ-001-4	26	1.000	26
99AZ-001-5	<.25	1.000	725
99AZ-001-6	< 25	1.000	:25
99AZ-001-7	427	1.000	427
99AZ-001-8	< 25	1.000	<25
99AZ-001 -9	193	1.000	193
99AZ-001-10	162	1.000	162

Client did not indicate the surface areas for the samples listed above; therefore, one square foot (1 sq. ft.) was assumed by the laboratory.

Side C





SECOND FLOOR

5 BLANK

FIRST FLOOR

Side A

SPORTENVDETCHASN 1899 North Hobson Ave. North Charleston, SC 29405-2106 Ph. (803) 743-8777 Floor PLan Qtrs HH 1304 Avenue H Charleston Naval Complex Charleston, SC

DWG DATE:3 Mar 98

DVG NAME: Otrs HH





Form 15.1 Lead Hazard Control Visual Clearance Form

Date
Name of clearance examiner
License no. (if applicable) <u>P6 27150 - 97023</u>
Name of property owner <u>OS ASAYY</u>
Property address 1304 RVE "H" CNC Apt. no. HH
Date cleanup completed $11/6/38$
Time cleanup completed 1600
Abatement/interim control contractor name <u>ENVIRONMENTAL DETACHMENT CHARLESTON</u>
Address 1899 NORTH HOBSON AUE, NORTH CHARLESTON, SC
Telephone no. (843) 743 - 6777 2940
Check if repeat clearance examination

Room identifier	List all building compo- nents required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
RMI FLI	WILLS, CEILING	YES	No	No	No
RM2 FLI	DORS, WINDOWS,	VES	1/2	Nb	rilo
RM3 Fil	WALLS, CFILINGS,	WES	No	11/2	No
BATHI FLI	WINDOW	VES	No	Nb	Nb
KITCHEN FELL	WINDOW	YES !	No	No	No
HALLI FLI	WALLS	YES	1/2	No	No
HALLZ FLI	PAINTED	VES	No	11/0	Nb
HALL 3 FLI	WALLS, CLOSET, CEILING	VES	No	No	ab
PHI FLZ	DOORS, WINDOWS, WALLS, CLESETS	YES	No	No	No
PMZ FLZ	POORS, WINDOWS,	VES	No	No	No
	WALLS, CEILING CLOSETS	YES	No	11/0	No _

Exterior soil	Treated	Not treated
If treated, is bare soil present?	Yes	No
Was contaminated soil removed?	Yes	A NO
Is additional soil treatment required?	Yes	K No
NOTES:		

Signature

Rainenez

_	
Δ	
$\nabla \Delta \nabla$	



Form	n 15.1		
ead Hazard Control	Visual	Clearance	Form

	Lead Haz	ard Control Visu	al Clearance Fo	rm		
Date	18198					
Name of clea	lame of clearance examiner JB LRURENCE					
License no. ((if applicable) <u>P6 27</u>	150-9702	7.3			
Name of pro	perty owner() 5\/_	ovy				
Property add	ress 1304 AVE 1	4" CNC	Apt. no <i>H</i> /	<u>//</u>		
Date cleanup	completed	98				
Time cleanup	completed 1600					
Abatement/in	iterim control contractor nam Address	e <u>ENVIRONM</u>	ENTAL DETAC	MIMENT CHA	RIESTON	
	Aadress	1899 NORT	H HOBSON A	IE NORTH	CHARLESTON	,5C
	Telephon	e no. (843) 7	43-6777	_ _		2940.
Check if repe	at clearance examination	,				
Room identifier	List all building compo- nents required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?	
						1

Room identifier	List all building compo- nents required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
BITHZ FIZ	WINDOW	V25	NE	26	no
BATH 3 FLZ	WINDOW	VE5	No	No	16
HPILA FIZ	WALLS, CLOSET, CEILING,	VES	No	No	16
PORCH 1	DOORS, CEILING, COLUMINS	(ÆS	No	1/25	16
PORCH 2	DOORS, WALLS,	1/155	(1)	1/25	No
				7	

Exterior soil	Treated	Not treated
If treated, is bare soil present?	Yes	No
Was contaminated soil removed?	Yes	No
Is additional soil treatment required?	Yes	No
NOTES:		





Form 15.2 Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date
Name of clearance examiner JR LAWRENCE
License no. (if applicable) Ph 27150 - 97023
Name of property owner
Property address 1304 AVE H CNC Apt. no. HH

- Clearance categories:
 - 1. Interior treatments without containment.
 - 2. Interior teatments with containment.
 - 3. Exterior work on painted surfaces.
 - 4. Routine maintenance.
 - 5. Soil work,

Sample number	Room number or identifier	Surface type (floor, interior window sill, window trough)	Clearance category number	Dimensions of sample area (inches)	Area (ft²) (can be completed by lab)	Result of lab analysis (µg/ft²) (can be completed by lab)	Pass or Fail
99AZ-002-1	RN 3 FLZ	WINDOWS 3 TRYCH	2	4"x12"	<u>,</u> 333	196	P
99/17-002-2	1	WART WORKIN	_	4" x 12"	, 335	< 75	f
99AZ-002-3	HOLL FLZ	WWDW TEXSH	2		, 333	- 75	f
99AZ-102-4		WINDOW TRUE	^	-4" X12"	(53)	<.75	0
99AZ-002-5	BATH 3	WINDOW / TROUGH	2	4" X12"	.333	< 75	<u></u>
99/17-002-6	RM2 FLI	WINDOW) TRUSH	2	4" x12"	.333	< 75	P
99AZ-007-7	BATH L	WINDOW! FOISH	2	4" x12"	.333	154	P
9912-002-8		WINDOW! TROUGH	2	4° x 12"	,333	111	0
99AZ-002-9	PORCH !	FLOOR DONE 3	2	12" x 12"	i	< 25	P

DINE 401 TITORON TO REPORT OF THE STATE OF T	
Total number of samples on this page 9	
Page/ of/	
Date of sample collection 11/19/98 Date shipped to lab 11/20/98	
Shipped by W. R. Hiers y.	
(Signature) (Signature)	



Form 15.3 Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Lead Haza	rd Control Clearance So	oil Sampling Form (Composite S	ampling Only
Date <u>///8/98</u>			
Name of clearance exami			
License no. (if applicable)	Pb 27150-97	1023	
Name of property owner_	DS NAVY		
Property address <u>/ 304</u>	<u> </u>	<u>_H,H_</u>	
Sample number	Location	Bare or covered	Lab resu
99/17-002-10	building perimeter	BARE AND COVERED	888
0 - 1			

Sample number	Location	Bare or covered	Lab result (μg/g)
9917-002-10	building perimeter	BARE AND COVERED	888 .
99AZ-002-10 99AZ-002-11	building perimeter	BARE AND COVERED	444
			_
			-

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.
Total number of samples on this page
Page/ of/
Date of sample collection 15/19/98 Date shipped to lab 1/120198
Shipped by OBALINOMCE Received by WR. H. cus 1.
(Signature) (Signature)
SAMPLE 99AZ-002-10 FROM SIDED DRIPLINE
AMPLE GARZ-COZ-11 FROM SIDEA DRIPLINE

AUG-08-87 WED 12:25

Test Request Form

A Division of Azimish, breatson

9229 University Blvd.

Citarieston, SC 29406 (800) 968-3565 Fax (803) 569-3282

No	Semnia Type	i e of Same
NOPI	H CHARLESTON, SC.	29450-2106
Address 189	AN WASHINGTON A	VE
Name		
Name VIV	(N) (LIBSNIALSTON)	
oco, 200-3202, 122	, (003, 20, 250	

Special requests:	
Vernei resuits	
Verbal results Fex report FFAX Fex # 743-9413	
743-9413	
Results needed by: 11/30/97	

Project No. IRP OTP MATERIAL	CEAD DUST +	Soll e at Samples	CREDIT CARD-TO
Control Name JB / AUDRENCE	Phone N 743	-6777 EXT 223	Oate Share 11/20/98
Special Instructions / Unusual Cond	ND/X 14 OF H	UD GUIDELINES	480211/2018

Cub Use Only	Sample Number or Area	Semble Volume of Time	Date Sampled	Media Type	Analysis Requested
	1994Z-∞2-1	4"x12"	11/19/98	LEADDIST	
	99AZ-002-2	4"x12"	11/19/18	LEADUET	
	199/12002-3	4"x12"	11/19/98	LEADUST	
	199AZ-002-4	4"x1z"	11/19/98	LEADIST	
	199AZ-002-5	4"x12"	11/19/98	LEABUST	
	99AZ-002-6	4" x12"	11/19/48	LENBUET	
	19947-002-7	1 4" x12"	11/19/98	LEAD 15T	
	199AZ-002-B	1" x12"	11/19/98	LENDUET	
	19912-002-9	12"x12"	11/19/98	LEADUST	
	19942-002-10	COMPOSITE OFF	11/19/98	FOR TELL	NO TLLP DET
<u> </u>	9912-002-11	COMPOSITE	11/19/98	FELPIERS	JM11-20 91
			' /		1

American Instuntial Hygiene Association: Laboratory Accreditiation #367. National institute of Standards and Technology: NVLAP Laboratory Code #1050.

CHAN	Resinausanes ov: AK DOWN 2000	17/18/01/98 1031	3 Received or: Wall. Hiers b.	11/20/98 1028
O =	Ammounted by: (1) Killiers, M.	19445108 16C	2 Received at Las by 2. M. Cultural	1977998 1101
TOOY	Memor of Shipment		Sample Continen Upon Recept: Acceptable	Other (explain)
Aumorezad by:		Date _		
	(C-ord Bignatura Must Accompany Plaquest)		-1	
				Encl (1)



CLIENT: SPORTENVDETCHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN .: John Lawrence

Project Info: LBP QTR Material

Purchase Ord: Credit Card-Tom

99AZ-002-11

Workorder: 9811136

Received: 11/20/98 11:34:00 AM

Received by: McGuiggan T

Validated: 12/1/98 10:07:00 AM

Validated by: Gallagher J

Approved: 12/1/98 10:07:00 AM

Approved by: Gallagher J

Client ID	Test Requested
99AZ-002-1	Lead Wipe
99AZ-002-2	Lead Wipe
99AZ-002-3	Lead Wipe
99AZ-002-4	Lead Wipe
99AZ-002-5	Lead Wipe
3AZ-002-6	Lead Wipe
99AZ-002-7	Lead Wipe
99AZ-002 -8	Lead Wipe
99AZ-002-9	Lead Wipe
99AZ-002-10	Lead

Director of Laboratories: Richard D. Bennett, MSPH CIH

Lead

AIHA Laboratory ID Number: 9044 NY State ELAP Lab No. 11052 ELLAP Laboratory ID Number: 9044

Final Approval: 2014 Manager Lab Manager

Date: December 1, PAS

Report Printed 12/1/98

Page 1 of 1

Azimuth Laboratories

9229 University Blvd. Charleston, SC 29406 (800)968-3565 (843)553-9456

HUD Lead in Soil Laboratory Results

Wednesday, November 25, 1998

Work Order No: 9811136

File: H81125C

Project No: LBP QTR Material

Analytical Method: Flame Atomic Absorption Spectrometry

by modified NIOSH 7082.

Sample ID	Result (Percent by Weight)
99AZ-002-10	0.0888
99AZ-002-11	0.0444



LEAD-BASED PAINT ABATEMENT QUARTERS II OFFICERS' HOUSING CHARLESTON NAVAL COMPLEX CHARLESTON, SC



Prepared for:

DEPARTMENT OF THE NAVY SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON SC



Prepared by:

Supervisor of Shipbuilding, Conversion and Repair, USN, (SUPSHIP) Portsmouth Va., Environmental Detachment Charleston, S.C. 1899 North Hobson Ave.
North Charleston, SC 29405-2106

11 June 1999



DEPARTMENT OF THE NAVY

SUPERVISOR OF SHIPBUILDING CONVERSION AND REPAIR, USN PORTSMOUTH, VIRGINIA ENVIRONMENTAL DETACHMENT CHARLESTON 1899 NORTH HOBSON AVENUE BUILDING 30 NORTH CHARLESTON SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 461

JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.

Environmental Detachment Charleston, SC (SPORTENVDETCHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command

Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS II, OFFICERS' HOUSING,

CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the

Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters II Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters II located on Charleston Naval Complex is complete. The abatement was performed from 28 September 1998- 16 November 1998, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters II.

2. Using procedures outlined in ref (a), a SPORTENVDETCHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters II. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors $100 \mu g/ft^2$ Interior Window Sills $500 \mu g/ft^2$ Window Troughs $800 \mu g/ft^2$ Soil $2000 \mu g/ft^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

FE. R. DEARHART





Form 15.1 Lead Hazard Control Visual Clearance Form

Date
Name of clearance examiner JB LAWRENCE
License no. (if applicable) <u>P6 27150 - 97023</u>
Name of property owner
Property address 1310 AUE H CNC Apt. no. II
Date cleanup completed
Time cleanup completed
Abatement/interim control contractor name <u>ENVIRONMENTAL DETACHMENT CHARLESTON</u>
Address 1899 NORTH HOBSON AVE, NORTH CHARLESTON, SC
Telephone no. (843) 743-6777 2940
Charle if report degrapes examination

Check if repeat clearance examination.

Room identifier	List all building compo- nents required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
RMI FLL	DODRS, WALLS, CEILINGS WINDOWS REPLACED	VES	No	No	No
RN2 FLI	DOORS, WALLS, CEILING	VES	Nh	No	No
RM3 FUL	UPPER WALLS WINDOWS	VES	No	No	No
BATEL FLI	WINDOW	125	No	10	No
KITCHEN FLI	MINIXX	VES	No	No	No
HALLI FLI	WALLS, CEILING, CROWN MOULDING	<u> VES</u>	No	No	No
Hauz Fil	WILLS, BASEROARD	YES	No	16	No
HALL 3 FLI	CEILING	VES	No	No	No
PMI FLZ	WINDOWS	VES	No	No	No
RM2 FLZ	WINDOWS	VES	No	No	No
RM3 FIZ	WINDOWS	1/25	No	ME	No

Exterior soil	Treated	A Not treated
If treated, is bare soil present?	Yes	No
Was contaminated soil removed?	Yes	<u>k</u> _No
Is additional soil treatment required?	Yes	₹ No
NOTES: ALL WINDOWS REPLACE AND CASING Signature 18 2011200	70. S	





Form 15.1 Lead Hazard Control Visual Clearance Form

Date	<u> </u>				
	arance examiner				
License no. ((if applicable) <u>P6.27</u>	150-9702	23		
Name of pro	perty owner <u>() 5_\/\</u>	:VY		<u> </u>	
Property add	ress 1310 RUE "H	" CNC	Apt. no. 🔀	\mathcal{I}	
Date cleanup	completed	98			
	completed				·
Abatement/in	nterim control contractor name	e ENVIRONME	ENTAL DETAC	MMENT CHAN	PLESTON
	Address	1899 NORT	H HOBSON X	VE NORTH	CHARLESTON
	Telephon	e no. (843) 7	43-6777		
Check if repe	at clearance examination	,			
Room identifier	List all building compo- nents required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
BITH2 FLZ	DOOR WINDOW	YES	(A)	-12	Nb
RA-113 517	(III d) NA(I)	115	1 Ab	n)o	16
HPU4 Fi2	WALLS, BASEBOARD CEILIN CLOSE; Y CIRINET DOUS	G VES	No	No	NB
PORCH 1	COLUMNS CÉLLING	1/ES	No	No	16
PORCH Z	DOORS TERSINGS, WILLS	1/25	Nb	No	No
EXTERIOR	AWNINGS CONDUIT PORCHIOLISMAN + WALLS PORCH Z WALLS Y TRIM	YES	Nb	Ab	No
			_		
Exterior soil	-	Treated	Not treated		
f treated, is ba	are soil present?	Yes	No		
Vas contamin	ated soil removed?	Yes	No		
s additional s	oil treatment required?	Yes	No		م د داد د
IOTES: MLL 1	WINDOWS, REPO AND CAS	IACEI) INGS	* WINDOW	W, STAIRU	ELL WALLS
Signature(Strausana2				





Form 15.2
Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date
Name of clearance examiner <u>JB LAWRENCE</u>
License no. (if applicable) Pb 27150 - 97023
Name of property owner <u>US NAVY</u>
Property address 1310 AUE "H" CUC Apt. no. II
·

Clearance categories:

- 1. Interior treatments without containment.
- 2. Interior teatments with containment.
- 3. Exterior work on painted surfaces.
- 4. Routine maintenance.
- 5. Soil work.

Sample number	Room number or identifier	Surface type (floor, interior window sill, window trough)	Clearance category number	Dimensions of sample area (inches)	Area (ft²) (can be completed by lab)	Result of lab analysis (µg/ft²) (can be completed by lab)	Pass or Fail
9912-003-1	RMI FII	FLOOR BY DOOR 2	2	12" x 12"	1	<25	ρ
9947-003-2	م ا	WINDOW!	2	25" × 12"	· 208	<120	ρ
9267-003-3		FLOOR BY DOOR!	2	12" x 12"	1	<25	ρ
99/17-003-4		WINDOW!	2	4" x 12"	, 353	< 75	ρ
MZ-03-5					\	< a 5	ρ
9917-003-6	0	FLOOR By MOOR 2	2	12" x 12"	1	< 25	ρ
99NZ-003-7	_	WINDOW I	2	2/2" x12"	1208	<120	P
99NZ-003-8	<i>^</i>	ELOOR BY DOOR 1	2	12"x12"	1	<i>425</i>	ρ
9987-003-9		TROUSIL	2	4"×12"	, 333	< 75	ρ

(1/(Y/C-92)) /B		<u> </u>	~ !~		. / 🔾	
Total number of sam	ples on this page 9					
Page of						
Date of sample colle	otion <u>111/9/98</u> Da	ite shipped to lat	1/120	98	1	
Shipped by	Jawrence_	Received	i by <u>W. i</u>	(. Huer	e, h.	
	(Signature)			(Signatur	e) <i>U</i>	

Chapter	15:	Clearanc	e
CITCIPICI			•



Form 15.3 Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

	rd Control Clearance So	oil Sampling Form (Composi	ite Sampling Only)
Date <u>////8/98</u>			
Name of clearance exami	ner_ <u>TB KAWREN</u>	<u> </u>	
License no. (if applicable)	P6 27150 - 97	2023	
Name of property owner_ Property address /3/0/	US VRVY		
Property address 2310/	NE"H" CNC_ Apt. no.	II	
Sample number	Location	Bare or covered	Lab result (µg/g)
99AZ-003-10	building perimeter	COVERES	. 463.
99AZ-003-11	building perimeter	COVERED	. 1310
		<u> </u>	
			_
	-		
			-
Sketch soil sampling plot p	lan. Collect only the top 1	/2" of soil	
Total number of samples o		72 Of 3011.	
Page / of /	page		
		aned to lah 11 120 199	
Shipped by	II) OM PO	Piped to lab <u>// /20/98</u> Received by <u>W. IC H.</u> M. SIDER DRIPLINE	iers b.
()	Signature)	. Hoodivod by _ vo. jc. / lo	(Signature)
SAMPLE 99AZ-003	1-10 TAKEN FRO	M SIDER DRIPLINE	_

SAMPLE 99AZ-003-11 TAKEN FROM SIDE B DRIPLINE

Encl (1) Page 4 of 9

Test Request Form



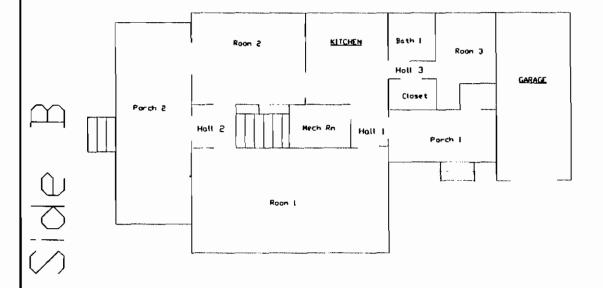
A Division of Azmuth, Incorporated

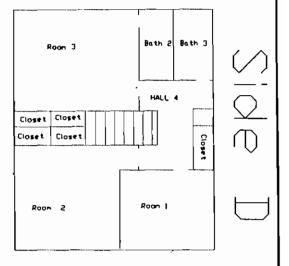
9729 University Blvd.

Name V	Fax (803) 569-3282 VIAN (1)RSHIN 395 NIORTH HO PTH CHARLESTON	50-21No	Special requests: Verbal results Fax report Fax # 743-0 Results needed by:	12.120	
TB Kaw	RETUCE	Phone No. 743-6	TTT EXT	1/ 7.223 Date &	CREDITIONS
RNALYZE	PER APPENDI	X 14 or 11		ELINES /	7 723
Lab Use Only	Sample Number or Area	Sample Volume of Time	Date Sampled	Media Type	Analysis Angunated
1	9982-003-1	12"x12"	11/19/98	DUST	
1	99AZ-003-2	2/2"x12"	11/19/48	DUST	
J	99AZ-003-3	12" x 12"	11/19/98	0057	
	99AZ-003-4	4" x 12"	11/19/98	DIKT	
√	99AZ -003-5	12"x12"	11/19/98	DUST	
	99AZ-003-6	12" x 12"	11/19/98	DUST	
	99AZ-003-7	125"x12"	11/19/98	DUST	
	99AZ-003-8	12" x 12"	11/19/98	DUST.	<u> </u>
	99AZ-003-9	14"x12"	11/19/98	DUST	1
	99AZ-003-10		211/19/98	188	
/	99AZ-003-11	COMPOSITE	11/19/98	SOIL	
2 11/20/98	99AZ -003-12	11/20	11/19/98	Sole	<u> </u>
	<u> </u>	-			1
			<u> </u>	<u> </u>	<u> </u>
nerican (ndustrial	Hygisse Association: Labori	MOCY Approximate #24			

CHAN	Reinquisned by:	YXXXIVIONEZ A	10 ZOPE	1078 Per	enved by b. H. H.	en b.	11/20195 1048	8
OF [Reindulance by: [] [Y Hicry in	199995798	11071 Per	BANG E (80 24. 7 1)	will B	1979/1989 110	2
_ eucoxi	Method of Shoment		- , ,	San	npie Condition Upon Recept:	Acceptable	Ciner (expen)	
~vFloress	by:		Date			_		
	(Clere bignaur	MUSI ACCOMDENT PROGRESS					Encl (1)	
							Page 5 of 9	•

Side C





FIRST FLOOR

SECOND FLOOR

Side A

SPORTENVDETCHASN 1899 North Hobson Ave. North Charleston SC 29405-2106 Ph. (803) 743-6777 Floor PLan Qtrs II 1310 Avenue H Charleston Naval Complex Charleston, SC

DWG DATE:3 Mar 98

DWG NAME: Qtrs II



CLIENT: SPORTENVDETCHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN .: John Lawrence

Project Info: LBP QTR Material

Purchase Ord: Credit Card-Tom

Workorder: 9811135

Received: 11/20/98 11:34:00 AM

Received by: McGuiggan T

Validated: 12/1/98 10:11:00 AM

Validated by: Gallagher J

Approved: 12/1/98 10:11:00 AM

Approved by: Gallagher J

Client ID	Test Requested

-,,-,,	
99AZ-003-1	Lead Wipe
99AZ-003-2	Lead Wipe
99AZ-003-3	Lead Wipe
99AZ-003-4	Lead Wipe
99AZ-003-5	Lead Wipe
JAZ-003-6	Lead Wipe
99AZ-003-7	Lead Wipe
99AZ-003-8	Lead Wipe
99AZ-003-9	Lead Wipe
99AZ-003-10	Lead
99AZ-003-11	Lead

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044 NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

Final Approval: In M. Gringgin, Lab Mirager

Date: Occomber, 1998

Report Printed 12/1/98

of 1

Azimuth Laboratories

9229 University Blvd. Charleston, SC 29406 (800)968-3565 (843)553-9456

HUD Lead Wipe Laboratory Results

Monday, November 30, 1998

Work Order No: 9811135

File: H81124E

Project No: LBP QTR Material

Analytical Method: Flame Atomic Absorption Spectrometry

by modified NIOSH 7082.

Sample ID	Lead Amount (ug)	Area (sq ft)	Result (ug/sq ft)
99AZ-003-1	<25	1.000	<25
99AZ-003-2	<25	0.208	<120
99AZ-003-3	<25	1.000	<25
99AZ-003-4	<25	0.333	<75
99AZ-003-5	<25	1.000	<25
99AZ-003-6	<25	1.000	<25
99AZ-003-7	<25	0.208	<120
99AZ-003-8	<25	1.000	<25
99AZ-003-9	<25	0.333	<75

Azimuth Laboratories

9229 University Blvd. Charleston, SC 29406 (800) 968-3565 (843) 553-9456

HUD Lead in Soil Laboratory Results

Wednesday, November 25, 1998

Work Order No: 9811135

File: H81125C

Project No: LBP QTR Material

Analytical Method: Flame Atomic Absorption Spectrometry

by modified NIOSH 7082.

Sample ID	Result (Percent by Weight)
99AZ-003-10	0.0463
99AZ-003-11	0.1310



LEAD-BASED PAINT ABATEMENT QUARTERS JJ OFFICERS' HOUSING CHARLESTON NAVAL COMPLEX CHARLESTON, SC



Prepared for:

DEPARTMENT OF THE NAVY SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON SC



Prepared by:

Supervisor of Shipbuilding, Conversion and Repair, USN, (SUPSHIP) Portsmouth Va., Environmental Detachment Charleston, S.C. 1899 North Hobson Ave.
North Charleston, SC 29405-2106

11 June 1999





SUPERVISOR OF SHIPBUILDING CONVERSION AND REPAIR, USN PORTSMOUTH, VIRGINIA ENVIRONMENTAL DETACHMENT CHARLESTON 399 NORTH HOBSON AVENUE BUILDING 30 NORTH CHARLESTON. SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 462

JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.

Environmental Detachment Charleston, SC (SPORTENVDETCHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command

Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS JJ, OFFICERS' HOUSING,

CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the

Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters JJ Clearance Sampling Results and HUD Visual Inspection Form

- 1. Abatement of lead-based paint (LBP) from Quarters JJ located on Charleston Naval Complex is complete. The abatement was performed from 3 November 1998- 9 December 1998, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters JJ.
- 2. Using procedures outlined in ref (a), a SPORTENVDETCHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters JJ. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors 100 μ g/ft²
Interior Window Sills 500 μ g/ft²
Window Troughs 800 μ g/ft²
Soil 2000 μ g/ft²

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E. R. DEARHART





	Forn	า 15.1		
ead Hazard	Control	Visual	Clearance	Form

Date	2/22/98				
Name of clearance examiner					
License no. (if applicable)					
Name of pro	perty owner <u>05 M/A</u>	WY			
-	ress <u>1350 AVE "</u> A	1" CNC	Apt. no. J	T_	
Date cleanur	٠ . ا	198			
Time cleanur	completed 1600	<u> </u>			
Abatement/ir	terim control contractor name	e <u>ENVIRONM</u>	NTAL DETAC	MMENT CHA	PLESTON
	Adaress	1899 NORT	H HOBSONA	VE NORTH	CHARIESTON
	Telephon	e no. (843) 7:	43-6777		
Check if repe	at clearance examination	-			
Room identifier	List all building compo- nents required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
RMI FLI	WINDOWS, WALLS CEILING + CROWN MONIDING	YES	No	No	No
12	WALLS, BASEBOARDS	VES	No	No	Ala
0.7 (1)	MOULDING CHAIR RAIL	Vis	No	16	Na
BATHI FLI	WINDOW	155	No	11/0	No
KITCHEN FILL	WINDOWS	1/15	16	1/0	16
HALLI FLI	WALL CEILING	VES	Nb	No	No
HACIZ FLI	N/A	NIR	N/A	NIA	NIA
HALZ Fil	WALLS, BASEBOARD CEILING, MOULDING	VES	No	1/0	No
PMI FLZ	WALLS, NOULDING, WINDOW	VES	No	Alo	No
01 01	WALLS, MOUDING, CEILING DINDOWS, CLOSET WILLS & CEILI	1 1 1	No	1/0	No
RM3 FZZ	LOSET WOUSE CEILING	IES	16	rb	No
Exterior soilTreatedNot treated					
If treated, is bare soil present?YesNo					
Was contaminated soil removed?YesNo					
Is additional soil treatment required?YesNo					
NOTES: ALL	dur swalniw.	CAS/NGS	REPLACE	7)	
Signature	Asiaur mes	>		_	En 1/1

Encl (1) Page 1 of 9



	•
-	

Form 15.1	
ead Hazard Control Visual Clearance	Form

Date	12/22/98				
Name of clea	arance examiner	RWRENCE			
License no.	(if applicable) <u>P6.27</u>	150-9702	23		
Name of pro	perty owner <u>() 5 M/</u>	ov_Y			
Property add	tress <u>1350 AuE "</u>	4" CNC	Apt. no. J	J	
Date cleanur	completed $\frac{12/18}{2}$	3 /98			
Time cleanui	completed	<u> </u>		 _	
Abatement/ir	nterim control contractor nam	e <u>ENVIRONM</u>	ENTAL DETAC	MITENT CHAI	PLESTON
	Address	1899 NORT	H HOBSONA	LE, NORTH	CHARLESTON,
	Telephon	e nc. <u>(843)</u> 7	43-6777		
Check if repe	at clearance examination				
Room identifier	List all building compo- nents required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
BITHZ FIZ	WINDOW	VES	No	No	No
BATH 3 Fiz	WINDOW)	VES	No	No	No
HALLA FIZ	WALLS, WINDOW, CEILINGS CLOSET, OVERHEAD DOOR	VES	16	No	No
PORCH 1	WALLS, CEILING, COLUMNS, WINDOWS DOOR TAHR	VES	nb_	16	No
TORCH X 1	COLUMNS, THRESHOLDS	VE3	No	No	Na_
EXTEXION !	CASING, WINDOWS	YES	100	No	No
	FACHA Y'SOFFIT PORCH COLUMNIS	(
					-
Exterior soil	_	Treated 🔥	_Not treated		
If treated, is ba	are soil present?	Yes	_No		
	ated soil removed?	Yes	_No		
	oil treatment required?	Yes / _	_No	~^	
NOTES: ALL	LUNDOWS AND	S CASING	S KEPLA	CEO	
Signature	Brawnenez				





Form 15.2 Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date
Name of clearance examiner <u>JB LAWRENCE</u>
License no. (if applicable) Ph 27150 - 97023
Name of property owner US NAVY
Property andress 1350 Ave "H" CVL Apt. no. JJ
Floperty address 1030 / 102 11 Gaz Apt. No. G G

Clearance categories:

- 1. Interior treatments without containment.
- 2. Interior teatments with containment.
- 3. Exterior work on painted surfaces.
- 4. Routine maintenance.
- 5. Soil work.

Sample number	Room number or identifier	Surface type (floor, interior window sill, window trough)	Clearance category number	Dimensions of sample area (inches)	Area (ft²) (can be completed by lab)	Result of lab analysis (µg/ft²) (can be completed by lab)	Pass or Fail
99AZ-005-1	Rm 3	Floor Budger	2	_12" × 12"	1	<i><25</i>	P
99AZ-005-2	0 4 2	side C Windowsill #2	2	12" x 21/2"	. 2.	<120	P
99AZ 005.3	l <u>-</u>	Floor By door 1	ع	12×12"	1	< 25	P
99AZ-005-4	Δ	Since troughthat	2	12" x4"	. 33	123	P
99AZ-005-5	BLANK	DLANK	٤	Blank	BLANK	425	P
99AZ 005-6	Room ?	Floor Bydoor	2	12" x 12"		425	F
	and FR	window sill #1	2	12"x2"5"	. 2	<120	P
H9A2-005-8	em 2	Floor	2	13 × 12	1	< 25	F
94AZ-005-9	2nd FLF Rin 2	Window well #2	2	12"x 4"	-33	< 75	F

Total number of samples on this page	
Page/ of/	
Date of sample collection 12+27/98 Date shipped to le	ab <u>/Z /ZZ/98</u>
Shipped by Receive	ed by
(Signature)	(Signature)

	_	
	\smile	_
•	ᄼ	,
	•	•



Form 15.3

	zard Control Clearance So	il Sampling Form (Compo	osite Sampling Only)
Date	7		
	miner JB LAWREN		
License no. (if applicab	le) <i>Pt 27150-97</i>	023	
Name of property owner	er US NAVY		
Property address /35	O RUE "H" CALApt. no.	JJ	
Sample number	Location	Bare or covered	Lab result (μg/g)
	building perimeter		,
	building perimeter		
99AZ-005-17	side D displine	BARE	1.182
99AZ-005-11	Side A dripline	BARE	537
	}		
			
Sketch soil sampling plo	t plan. Collect only the top 1/	2" of soil.	
Total number of samples	on this page		
Page of			
Date of sample collection	n <u>12,122/98</u> Date ship	ned to lab 12 122 138	; _
	Livence		
	(Signature)	•	(Signature)

Encl (1) Page 4 of 9

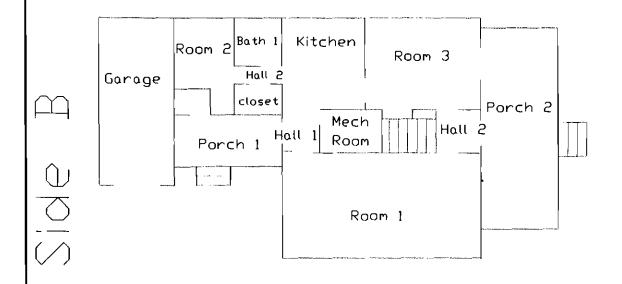
A Division of Assets 9729 University				•	Test Reques
Clarieson, SC (300) 968-3565 Name Address	19406 Fax (803) 569-3252 IVIAN WASH	INSTON 0BSON HUE OU : SC	5-2106	Special requests: Verbal results Fex report Fax #74-3	
rat Na.	Samore Ty	/pe/\	F OL SAMON	Results needed by	[P.O. //
tact Name	Bill HIEVS	Phone No. 743 - 6	~~~	-223 Osta	2/22/9B
U.D. Instructions ANALYZE	/ Unusual Conditions / Pos	siple interferences:		DELINES	7-410
Lab Use Only	Sample Number or Area	Sample Volume of Time	Date Sampled	Media Type	Analysis
	99AZ-205-1	12"x12"	12/22/98	DUST	LERD
	19992-005-2	12"x 215"	12/22/98	DUST	LEAD
	199AZ-005-3	12" x 12"	1/2/22/18	DUST	LEAD
	1991Z-005-4	112" x4"	12/22/18	DUST	1 LEAD
	19947-005-5	12"x12"	12/22/98	1 UST	LEAD
	199AZ-005-6	12"x12"	12/27/18	DUST	LEAD
	199AZ-005-7	112" x 21/2"	12/72/98	DUST	LEAD
	19992-005-8	112" ×12"	1/2/27/98	DUST	LEAD
	9982-005-9	1/2"x4"	12/12/403	DUST	LEAD
,	199AZ-005-10	1		5016	LEAD
	199AZ-005-11	1		5016	LEAD
			1 7 - 1 2		
<u>-</u>	1				
		<u> </u>	<u> </u>	<u> </u>	
	<u> </u>	·	<u> </u>		

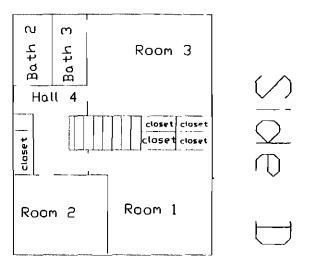
American industrial Hygiens Association: Laboratory Accreomistion #357.

National Institute of Standards and Technology: NYLAP Laboratory Code #1050.

						_
CHAIN	Reineusnes trade XXXIII PARO	18/27/98 1533	Received by:		DEMINO	_
or i	Reproductives by:V	Osterfine	Received at Litt by		Date/Tume	
स्थायम	Memor et Sinoment		Samon Consess Upon Recept:	- vecenes	Ciner lescient	
A U Tránsco	by:	Date	Ī			
	(Client Signature NUM Accompany Frequest)					
			` <u> </u>		Encl (1)	•

Side C





FIRST FLOOR

SECOND FLOOR

Side A

SPORTENVDETCHASN 1899 North Hobson Ave. North Charleston, SC 29405-2106 Ph. (803) 743-6777 Floor PLan Qtrs JJ 1350 Avenue H Charleston Naval Complex Charleston, SC

DWG DATE: 3 Mar 98

DWG NAME: Qtrs JJ



CLIENT: SPORTENVDETCHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN.: John Lawrence

Project Info: QTR JJ

Purchase Ord: Credit Card - Tom

Workorder: 9812145

Received: 12/22/98 4:42:00 PM

Received by: McGuiggan T

Validated: 1/5/99 4:24:00 PM

Validated by: Gallagher J

Approved: 1/5/99 4:24:00 PM

Approved by: Gallagher J

Client Sample ID: 99AZ-005-1 Collection Date: 12/22/98

Azimuth ID: 9812145-01

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/tt2

Client Sample ID: 99AZ-005-2 Collection Date: 12/22/98

Azimuth ID: 9812145-02

Test Method Sample Result

Lead Wipe mNIOSH 7082 <120 ug/ft2

Client Sample ID: 99AZ-005-3 Collection Date: 12/22/98

Azimuth ID: 9812145-03

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-005-4 Collection Date: 12/22/98

Azimuth ID: 9812145-04

Test Method Sample Result

Lead Wipe mNIOSH 7082 123 ug/ft2

ort Printed 1/5/99

Page 1 of 3

A Division of Azimuth, Incorporated

Encl (1) Page 7 of 9 Test

ent Sample ID: 99AZ-005-5

Azimuth ID: 9812145-05

Collection Date: 12/22/98

Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-005-6 Collection Date: 12/22/98

Azimuth ID: 9812145-06

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/tt2

Client Sample ID: 99AZ-005-7 Collection Date: 12/22/98

Azimuth ID: 9812145-07

Test Method Sample Result

Lead Wipe mNIOSH 7082 <120 ug/ft2

Client Sample ID: 99AZ-005-8 Collection Date: 12/22/98

Azimuth ID: 9812145-08

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-005-9 Collection Date: 12/22/98

Azimuth ID: 9812145-09

Test Method Sample Result

Lead Wipe mNIOSH 7082 <75 ug/ft2

Client Sample ID: 99AZ-005-10 Collection Date: 12/22/98

Azimuth ID: 9812145-10

Test Method Sample Result

Lead mNIOSH 7082 0.1182 % by wt

ent Sample ID: 99AZ-005-11

Collection Date: 12/22/98

Azimuth ID: 9812145-11

Test Method

Sample Result

Lead

mNIOSH 7082

0.0537 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead on wipes and in soil is 0.50 mg/L.

Final Approval: My M' Guyan Lab Maracyc

Date: TIPULLYLO, CICK



LEAD-BASED PAINT ABATEMENT QUARTERS KK OFFICERS' HOUSING CHARLESTON NAVAL COMPLEX CHARLESTON, SC



Prepared for:

DEPARTMENT OF THE NAVY SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON SC



Prepared by:

Supervisor of Shiphuilding, Conversion and Repair, USN, (SUPSHIP) Portsmouth Va., Environmental Detachment Charleston, S.C. 1899 North Hobson Ave.
North Charleston, SC 29405-2106

11 June 1999



DEPARTMENT OF THE NAVY

SUPERVISOR OF SHIPBUILDING CONVERSION AND REPAIR. USN PORTSMOUTH, VIRGINIA ENVIRONMENTAL DETACHMENT CHARLESTON 1899 NORTH HOBSON AVENUE BUILDING 30 NORTH CHARLESTON SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 463

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.

Environmental Detachment Charleston, SC (SPORTENVDETCHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command

Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS KK, OFFICERS' HOUSING,

CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the

Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters KK Clearance Sampling Results and HUD Visual Inspection Form

- 1. Abatement of lead-based paint (LBP) from Quarters KK located on Charleston Naval Complex is complete. The abatement was performed from 23 November 1998- 20 December 1998, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters KK.
- 2. Using procedures outlined in ref (a), a SPORTENVDETCHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters KK. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors $100 \mu g/ft^2$ Interior Window Sills $500 \mu g/ft^2$ Window Troughs $800 \mu g/ft^2$ Soil $2000 \mu g/ft^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

TETR. DEARHART



Form 15.1 Lead Hazard Control Visual Clearance Form

Date 12/22/98
Name of clearance examiner JB LAWRENCE
License no. (if applicable)
Name of property owner US MAYY
Property address 1356 AVE "H" CNC Apt. no. KK
Date cleanup completed $\frac{12/20/98}{}$
Time cleanup completed
Abatement/Interim control contractor name <u>ENVIRON MENTAL DETACHMENT</u> CHARLESTON
Address 1899 NORTH HOBSON AUE NORTH CHARLESTON, SC
Telephone no. (243) 743-6777 294
Check if reneat clearance examination

Room identifier	List all building compo- nents required to be treated in each room	Work on each component completed? (yes or no)	Visible paint chips seen? (yes or no)	Visible settled dust seen? (yes or no)	Additional work required?
PMI FLI	WINDOWS	VE5	No	No	No
Kriz Fel	WINDOWS	YES	No	No	120
PM 3 Fel	CLOSET BASEBOARDS	VES	No	Ab	120
BATH! FLI	N/B	N/A	N/A	N/A	NIR
Knichen F.I	WINDOWS	VES	No	No	No
HALLI FLI	pool	VES	No	N_0	No
HALLZ FLI	CLOSET DOOR JAMES	VES	No	No	No
HALZ FLI	NA	NA	NA	NIA	M/R
PMI FLZ	WINDOWS	VES	No	No	No
PMZ FLZ	WALL BASEROARDS	VES	No	[No	No
RM3 FZ2	WNDWS	1 VES	No	16	No

Exterior soil	TreatedNot treated
If treated, is bare soil present?	YesNo
Was contaminated soil removed?	Yes <u></u> No
Is additional soil treatment required?	YesNo
NOTES: ALL WINDOWS	AND CASINGS REFLACED
Signature ASSOUNDED	<u> </u>

Encl (1) Page 1 of 9



	- 4			
			٠.	
_	•	•		
٦.	_	v	•	•

Form 15.1 Lead Hazard Control Visual Clearance Form

	(if applicable) <u>P6 27</u> perty owner <u>() 5 A1</u>				
	ress 1356 AVE H	. //	Apt. no <i>k</i>	<u>-</u>	
	completed 12/20/				
	completed 1600				·
	nterim control contractor nam	ie <u>ENVIRONM</u>	ENTAL DETAC	HIMENT CHA	PLESTON
	Address	1899 NORT	H HOSSON A	E ABETH	CHARLEST
	Telepnon	ne no. (843) 7	43-6777	, ,	
Check if repe	eat clearance examination	•	- 		
		,	1	1	4 1 111
Room	List all building compo- nents required to be	Work on each component	Visible paint chips seen?	Visible settled	Additiona work
	treated in each room	completed?	(yes or no)	dust seen?	required'
		(yes or no)	 	(yes or no)	
BITHZ FLZ	WINDOW	V1=5_	No	No	100
BATH 3 FLZ	WINDOW	125	No	No	No
HALLA FIZ	WINDOW	VES	1/0	Ab	No
PORCH 1	COLUMNS, WALLS, WINDOWS CEILING, DOOR, YJAKKS	1/25	16	No	10
PORCH 2	DOORS T'JAMB'S	VVS	1/0	10	1/0
EXTERIOR	CARAGE DOORY CASING BUNINGS DOORS H	VF	1/2	No	10
25112110	CASINGS, WINDOWS, FACIA + SOFFIT	123		,	
	COLUMNS & LATTICE TAIN	1			
		_		1	
		-			
	<u> </u>		-	1	
Exterior soil	_		Not treated		
	are soil present?	Yes	No		
	ated soil removed?	Yes	_No		
	oil treatment required?	Yes	_No		
NOTES: AL	L WINDOWS AND	CASINGS R	EPUNCED		
	$\alpha \alpha < \alpha$				

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date: 22 December 1998

Name of clearance examiner: JB Lawrence

License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM Property address 1356 Avenue H Apt. No: Quarters KK

Clearance categories:

1. Interior treatments without containment.

- 2. Interior teatments with containment.
- 3. Exterior work on painted surfaces.
- 4. Routine maintenance.
- 5. Soil work.

Sample number	Flr	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Lab Results (µg/ft²) (can be completed by lab)	Pass or Fail
99AZ-006-01	1	Rm 1	Floor (Side C, by door)	2	12" x12"	1	< 25 µg/ft²	P
99AZ-006-02	1	Rm 1	Window #1Sill	2	12" x 2-1/2"	.2	< 120 µg/ft²	Р
99AZ-006-03		BLANK	BLANK	2	BLANK	BLANK	< 25 μg/ft ²	Р
99AZ-006-04	1	Rm 2	Floor (by door #2)	2	12" x12"	1	< 25 μg/ft²	P
99AZ-006-05	1	Rm 2	Window Trough (Side C)	2	12" x 4"	.33	< 120 µg/ft²	P
99AZ-006-06	2	Rm 2	Floor (by door #3)	2	12" x12"	1	< 25 μg/ft ²	Р
99AZ-006-07	2	Rm 2	Window Trough #3	2	12" x 4"	.33	< 75 μg/ft²	Р
99AZ-006-08	2	Rm 3	Floor (by door #4)	2	12" x12"	1	< 25 μg/ft ²	Р
99AZ-006-09	2	Rm 3	Window Trough #2	2	12" x 4"	.33	< 75 µg/ft²	P
99AZ-006-10	1	Porch 1	Floor (by Door #1)	2	12" x12"	1	< 25 µg/ft²	Р

Total number of samples on this page 9

Page 1 of 1

Date of sample collection 12/22/1998

Date shipped to lab 12/22/1998

Shipped by

Signature)

•	Chapter	15: Clearance	-



Form 15.3 Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

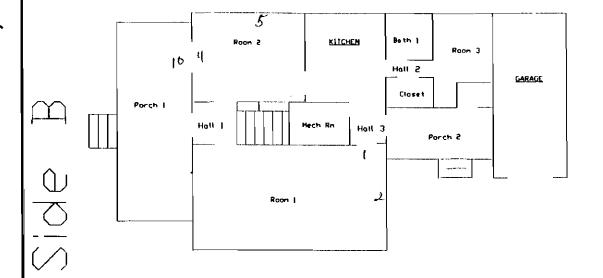
Lead Haz	ard Control Clearance So	oil Sampling Form (Composi	te Sampling On
License no. (if applicable Name of property owner.	B niner <u>TB KAWREN</u>) <u>P6 27150 - 97</u> US NAVY AUE"H" CN Apt. no.	2023	
Sample number	Location	Bare or covered	Lab res
	building perimeter		_

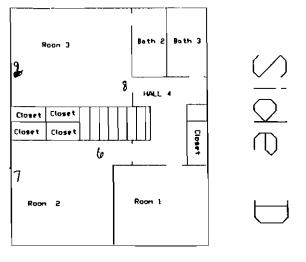
Sample number	Location	Bare or covered	Lab result (μg/g)
	building perimeter		
	building perimeter		
99 900 -006-11	side A dipline	BARE	862
99AZ-006-11 19AZ-006-12	Side A dipline Side B dripline	BARE BARE	938
_			
_			
		_	

Sketch soil sampling plot p Total number of samples o		1/2" of soil.	
Page of		• • • •	
/ \ 122 >~	. / ./	oped to lab 12 122198	
· · · · · · · · · · · · · · · · · · ·		Received by	<u></u>
\mathcal{U}	(Signature)	(Signature)

Name Address	5 Fax (803) 569-3252 (141AN WASH 1899 NORTH H DORTH CHARLESTA	×5-2106	Special requests: Verbal results DAY /URNAR FEX report 1/65 Fex a 743-104-13 Results needed by: 1-4-44		
J.	R. AURENCE S. Unusual Conditions / Pos E. PER APPEND	Phone No. 743 - (έληη εχί	以 iana s	2-22-98
Cab Use Only	Sample Number or Area	Sample Yolume or Time	Date Semoned	Media Type	Ambyels Regulated
	19987-006-1	12'x 12"	12/22/98	D 115T	LEAD
	19962-006-2	13" x 2 13"	112.22-08	DUST	LEAD
	199AZ-006-3	J' x 12"	12-22-98	DUST	LEAD
	199AZ-006-4	1 /2" × /2"	1,2-22-98	DUST	LEAD
	199AZ-00/3-5	12" x2'3"	1 18-65	DUST	LEAD
	199AZ-006-6		19-22-98	DUST	LEAD
	199AZ-006-7	12" x 4"	15-32-98	DUST	LEAD
· · · · · · · · · · · · · · · · · · ·	99AZ-006-8	1	ا 98-جد-د،	DUST	LEAD
	199AZ 006-9) 12" x 4"	2-22-94	DUST	LERD
	99AZ-006-11	1	12-22-98	D057	LEAD
	99/0Z-006-1	/	12-22-98	5014_	LEND
	19942-006-12		12-22-98	5012	LEAD
)			
-	Hygiene Association: Labora of Standards and Tachnology:				
inquiente evil	DOOWEDIED 121	23198 /534 P	demed ov		Casera
nguished bt:		Cateviume	PCEMEN # 175 SA.		Oza/Tyne

Side C





FIRST FLOOR

SECOND FLOOR

Side A

SPORTENVDETCHASN 1899 North Hobson Ave. North Charleston, SC 29405-2106 Ph. (803) 743-6777 Floor PLan Qtrs KK 1356 Avenue H Charleston Naval Complex Charleston, SC

DWG DATE: 3 Mar 98

DWG NAME: Otrs KK

Encl (1) Page 6 of 9



CLIENT: SPORTENVDETCHASN

1899 N Hobson Ave., BLDG, 30

N. Charleston, SC 29405-2106

ATTN .: John Lawrence

Project Info: QTR KK

Purchase Ord: Credit Card - Torn

Workorder: 9812144

Received: 12/22/98 4:42:00 PM

Received by: McGuiggan T

Validated: 1/5/99 4:30:00 PM

Validated by: Gallagher J

Approved: 1/5/99 4:30:00 PM

Approved by: Gallagher J

Collection Date: 12/22/98

Collection Date: 12/22/98

Client Sample ID: 99AZ-006-1

Azimuth ID: 9812144-01

Test Method Sample Result

Lead Wipe **mNIOSH 7082** <25 ug/ft2

Client Sample ID: 99AZ-006-2

Azimuth ID: 9812144-02

Method Test Sample Result

mNIOSH 7082 <120 ug/ft2 Lead Wipe

Client Sample ID: 99AZ-006-3 Collection Date: 12/22/98

Azimuth ID: 9812144-03

Method Test Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-006-4 Collection Date: 12/22/98

Azimuth ID: 9812144-04

Test Method Sample Result

Lead Wipe **mNIOSH 7082** <25 ug/ft2

nort Printed 1/5/99

Page 1 of 3

A Division of Azimuth, Incorporated

Encl (1)

9229 University Blvd. ▲ Charleston, South Carolina 29406 ▲ (800) 968-3565 toll-free ▲ (843) 553-9456 ▲ (843) 569-:

Page 7 of 9



Form 15.1 Lead Hazard Control Visual Clearance Form

Date	12/22/98		en cicarentee i c		
	- /- 	(RWRENCE			
	(if applicable) Ph 27	150 - 9702	 7.3		
Name of pro	· · · · · · · · · · · · · · · · · · ·	9.V.Y	-		
•	dress 1356 ARE "H	" CASC	Apt. no. K	K	
		8			
Time cleanur					÷
,	nterim control contractor nam	e ENVIRONME	ENTAL DETAC	 NMFNT CHA	RIESTON
	Address	1899 NORT	H HORSON A	IE ABETH	CHARLESTON
	Telephon	e no. <u>(843)</u> 7	43-6777		
Check if repe	eat clearance examination				
Room	List all building compo-	Work on each	Visible paint	Visible	Additional
identifier	nents required to be	component	chips seen?	settled	work
	treated in each room	completed? (yes or no)	(yes or no)	dust seen? (yes or no)	required?
RMI FLI	WINDOWS	VE 5	11/0	10	Ne
KM2 FLI	WINDOWS	VES	No	No	10
PM3 Fel	WINDOWS CLOSET BASEBOARDS	VES	No	AL	13
BATH J FIT	N/A	N/R	NIA	NIA	NIR
KITCHEN F. 1	WINDOWS	VES	No	100	No
HALLI FLI	Dook	VES	No	No	No
Hail Fil	CLOSET DOOR JANUES	VES	No	No	No
HALL3 FLI	N/A	NA	N/A	N/A	ns/A
PMI FLZ	WINDOWS	V25	No	No	No
RM2 FLZ	WALL BASEROURDS	VES	No	ab	No
RM3 FIZ	WINDOWS	VES	No	15	100
Exterior soil		Treated	Not treated		
If treated, is ba	are soil present?	Yes`	_No		
Was contamin	ated soil removed?	Yes <u>4</u> _	_No		
Is additional so	oil treatment required?	Yes	_No	~ '\	
NOTES:	L WINDOWS AN	ID CASINGS	REPLACE	2	
,	10				
Signature	LE DOWN DACE	>			
<i>\</i>	<i>'</i>				Encl (1)

Page 1 of 9

Client Sample ID: 99AZ-006-8

 Client Sample ID:
 99AZ-006-6
 Collection Date:
 12/22/98

 Azimuth ID:
 9812144-06
 Sample Result

 Lead Wipe
 mNIOSH 7082
 <25 ug/ft2</th>

 Client Sample ID:
 99AZ-006-7
 Collection Date:
 12/22/98

 Azimuth ID:
 9812144-07

 Test
 Method
 Sample Result

 Lead Wipe
 mNIOSH 7082
 <75 ug/ft2</td>

 Azimuth ID: 9812144-08

 rest
 Method
 Sample Result

 Lead Wipe
 mNiOSH 7082
 <25 ug/ft2</td>

Collection Date: 12/22/98

 Client Sample ID:
 99AZ-006-9
 Collection Date:
 12/22/98

 Azimuth ID:
 9812144-09
 Sample Result

 Lead Wipe
 mNIOSH 7082
 <75 ug/ft2</th>

 Client Sample ID:
 99AZ-006-10
 Collection Date:
 12/22/98

 Azimuth ID:
 9812144-10
 Sample Result

 Lead Wipe
 mNIOSH 7082
 <25 ug/ft2</th>

ent Sample ID: 99AZ-006-11

Collection Date: 12/22/98

Azimuth ID: 9812144-11

Test

Method

Sample Result

Lead

mNIOSH 7082

0.0862 % by wt

Client Sample ID: 99AZ-006-12

Collection Date: 12/22/98

Azimuth ID: 9812144-12

Test Lead Method mNIOSH 7082 Sample Result

0.0938 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead on wipes is 0.50 mg/L and for lead in soil is 0.50 mg/L.

Final Approval: STIVING GOOD GOMONON

Date: 71 Milly 10, 1994



LEAD-BASED PAINT ABATEMENT QUARTERS LL OFFICERS' HOUSING CHARLESTON NAVAL COMPLEX CHARLESTON, SC



Prepared for:

DEPARTMENT OF THE NAVY SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON SC



Prepared by:

Supervisor of Shipbuilding, Conversion and Repair, USN, (SUPSHIP) Portsmouth Va., Environmental Detachment Charleston, S.C. 1899 North Hobson Ave.
North Charleston, SC 29405-2106

11 June 1999

DEPARTMENT OF THE NAVY

SUPERVISOR OF SHIPBUILDING CONVERSION AND REPAIR. USN PORTSMOUTH VIRGINIA. ENVIRONMENTAL DETACHMENT CHARLESTON 1999 NORTH HOBSON AVENUE. BUILDING 30 NORTH CHARLESTON. SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 464 JUN 1 6 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.

Environmental Detachment Charleston, SC (SPORTENVDETCHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command

Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS LL, OFFICERS' HOUSING,

CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the

Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters LL Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters LL located on Charleston Naval Complex is complete. The abatement was performed from 4 January 1999- 10 February 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters LL.

2. Using procedures outlined in ref (a), a SPORTENVDETCHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters LL. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Initial *soil* samples tested above HUD lead levels. The top level of the soil was removed, and the soil was resampled. This set of soil sampling results revealed lead levels below the following HUD Limits:

Floors	100 μg/ft²
Interior Window Sills	$500 \mu\mathrm{g/ft}^2$
Window Troughs	$800 \mu g/ft^2$
Soil	$2000 \mu\mathrm{g/ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E. R. DEARHART

Lead Hazard Control Visual Clearance Form

Date: 17 February 1999

Name of clearance examiner: Ruth Zech License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM Property address 1351 Avenue G Apt. no: Quarters LL

Date cleanup completed 10 February 1999 Time cleanup completed 1600

Abatement/interim control contractor name: Environmental Detachment Charleston

Address: 1899 North Hobson Avenue Telephone no. 843-743-6777 Check if repeat clearance examination

Room identifier	List all building compo- nents required to be treated in each room	Work on each Component completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Flr, Rm 1	Windows, Window Stools/Troughs, Doors	Yes	No	No	No
1 st Flr, Rm 2	Windows, Ceiling	Yes	No	No	No
1 st Flr, Rm 3	Windows, Window Stools/Troughs, Doors	Yes	No	No	No
Hall 1	Doors	Yes	No	No	No
Hall 3	Doors, Door Jambs/Casings, Ceiling	Yes	No	No	No
Bath 1	Windows	Yes	No	No	No
Porch 1	Columns/Lattice/Trim, Walls, Doors, Door Jambs/Casings, Ceiling, Blind Window, Conduit	Yes	No	No	No
Porch 2	Columns/Lattice/Trim, Walls, Entry Door, Door Jambs/Casings, Ceiling, Window & casings	Yes	No	No	No
2 nd Flr Rm 1	Windows & Troughs, Walls & Crown Moulding, Closet Walls & Ceilings	Yes	No	No	No
2 nd Flr Rm 2	Windows & Troughs/Aprons, Doors & Jambs/ Casings	Yes	No	No	No
2 nd Flr Rm 3	Windows & Troughs/Stools/Casings, Walls & Crown Moulding, Closet Walls & Ceilings/Baseboard, Doors & Jambs/Casing	Yes	No	No	No
Bath 2	Windows & Stools, Door	Yes	No	No	No
Bath 3	Windows	Yes	No	No	No
Hall 4	Windows & Troughs, Doors & Jambs/Casings, Baseboards, Closet Baseboards	Yes	No	No	No
Stairwell	Railcaps, Newel Posts	Yes	No	No	No
Exterior	Awnings, Door Jambs/Casings, Window Sashes/ Stools/Casings, Facia/Soffit, Trimwork, Elec Panels/ Conduit, Doors, Porch Columns/Lattice/Trim/ Railcaps	Yes	No	No	No

Exterior soil	Treated	\underline{x} Not treated
If treated, is bare soil present?	Yes	_ <u>x</u> No
Was contaminated soil removed?	Yes	<u>x</u> No
Is additional soil treatment required?	Yes	_ <u>x</u> No

NOTES: All windows and casings replaced

Signature_

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date: 17 February 1999

Name of clearance examiner: Ruth Zech License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM Property address 1351 Avenue G Apt. No: Quarters LL

Clearance categories:

1. Interior treatments without containment.

2. Interior teatments with containment.

3. Exterior work on painted surfaces.

4. Routine maintenance.

5. Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft²) (can be complete d by lab)	Lab Results (µg/ft²) (can be completed by lab)	Pass or Fail
99AZ-013-01	1	Hall 1	Floor (Side B, in front of door)	2	12" x12"	1	<25 μg/ft²	Р
99AZ-013 - 02	1	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	<125 µg/ft²	Р
99AZ-013-03	1	Rm 3	Floor (Side D, in front of door)	2	12" x12"	1	<25 µg/ft²	Р
99AZ-013-04	1	Rm 3	Window Trough (Side C)	2	12" x 4"	.33	194 μg/ft²	Р
99AZ-013-05	2	Rm 1	Floor (Side B, in front of door)	2	12" x12"	1	<25 µg/ft²	Р
99AZ-013-06	2	Rm 1	Window Sill (Side D)	2	12" x 2-1/2"	.2	<125 µg/ft²	Р
99AZ-013-07	2	Rm 3	Floor (Side B in front of door)	2	12" x12"	1	<25 µg/ft²	Р
99AZ-013-08	2	Rm 3	Window Trough (Side D)	2	12" x 4"	.33	<76 μg/ft²	Р
99AZ-013-09		BLANK	BLANK	2	BLANK	BLANK	<25 µg/ft²	Р

Total number of samples on this page 9

Page 1 of 1

Date of sample collection 02/17/99

Date shipped to lab 02/17/99

Shipped by

(Signatur

♦ ———	Form 15.3 —————	\longrightarrow
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Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date: 17 February, 1999

Name of clearance examiner: Ruth Zech License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM Property address 1351 Avenue G Apt. no: Quarters LL

Sample number	Location	Bare or covered	Lab result (μg/g)
99AZ-013-10	Side D Dripline	Bare	2335 μg/g
99AZ-013-11	Side C Dripline	Bare	2550 μg/g
		_	

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page $\underline{2}$ Page 1 of 1

Date of sample collection 2/17/99,

Date shipped to lab 2/17/99

Shipped by _

Signature)

◇	Form 15.3		\Diamond
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Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date: 31 March 1999

Name of clearance examiner: Ruth Zech License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM Property address 1351 Avenue G Apt. no: Quarters LL

Sample number	Location	Bare or covered	Lab result (μg/g)
99AZ-030-01	Side D Dripline	Bare	1345 μ g/g
99AZ-030-02	Side C Dripline	Bare	1396 µg/g
	_		
<u> </u>	_		-
			-

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page <u>2</u> Page <u>1</u> of <u>1</u>

Date of sample collection 3/31/99

Date shipped to lab 3/31/99

Shipped by

Signature





A Division of Azimuth, Incorporated

9229 University Blvd.

Neme Fou	Fax (803) 569-3282	19405-310	6	Fax report <u>YE</u> Fax # 743 - 01	
· · · · · · · · · · · · · · · · · · ·		Phone No. 743-677	7×223	// Date Shi	P.O. CREDIT-(HIZD - T pped 2/17/99
Lab Use Only	Sample Number or Area	Sample Volume or Time.	Date Sampled	Media Type	Analysis Requested
1	99AZ-013-01		SFeb 99	Dust Wipe	Lead
/	99AZ-013 -D2	.2			
	99AZ-013 -03	l			
1	99AZ-013 -04	<i>.</i> 33			
✓ <u> </u>	9942-013-05				
✓	99AZ-013 -06	٠2			
	99AZ-013 -07				
1	99AZ-013 -08	•33			
/	99AZ-013 -09	1			
/	99AZ-013 -10	soil		Soil	
/	99AZ-013 -11	501		501	\downarrow
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	_				

American Industrial Hygiene Association: Laboratory Accreditation #367

	_//) ~ ()			·	
.AIN	Relinquished by:	Daje Jimen	1328	Received by William R. Hiers H.	27/7/99 1328
CUSTODY	Relinquished by William R. Hiery	7/19/79	1554	Received at Lab by J. M. William	2977799 1554
CUSTOUT	Method of Shioment:	, , , ,		Sample Condition Upon Receipt: Acceptable	Other (explain)
Authorized	by: (Client Signature Must Accompany Request)	Date			Encl (1)
		-			Page 5 of 11



CLIENT: SPORTENVDETCHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN .: John Lawrence

Project Info: Quarters LL

Purchase Ord: Credit Card-Tom Kizer

Workorder: 9902072

Received: 2/17/99 4:17:00 PM

医毛囊 医皮肤性骨髓性囊 袋儿 医乳球静脉溶解 病食癖 编设件

Received by: McGuiggan T

Validated: 2/22/99 4:02:00 PM

Validated by: McGuiggan T

Approved: 2/22/99 4:02:00 PM

Approved by: McGuiggan T

Collection Date: 2/17/99

Collection Date: 2/17/99

Client Sample ID: 99AZ-013-01

Azimuth ID: 9902072-01

Test Method Sample Result

Vipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-013-02

Azimuth ID: 9902072-02

Test Method Sample Result

Lead Wipe mNIOSH 7082 ..<125 ug/tt2

Client Sample ID: 99AZ-013-03 Collection Date: 2/17/99

Azimuth ID: 9902072-03

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-013-04 Collection Date: 2/17/99

Azimuth ID: 9902072-04

Test Sample Result

Lead Wipe mNIOSH 7082 194 ug/ft2

Printed 2/22/99

Page 1 of 3

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Encl (1)
Page 6 of 11

it Sample ID: 99AZ-013-05

Collection Date: 2/17/99

Azimuth ID: 9902072-05

Test Method

Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-013-06

Azimuth ID: 9902072-06

Collection Date: 2/17/99

Test Method Sample Result

Lead Wipe mNIOSH 7082 <125 ug/ft2

Client Sample ID: 99AZ-013-07 Collection Date: 2/17/99

Azimuth ID: 9902072-07

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-013-08 Collection Date: 2/17/99

Azimuth ID: 9902072-08

rest Method Sample Result

Lead Wipe mNIOSH 7082 <76 ug/ft2

Client Sample ID: 99AZ-013-09 Collection Date: 2/17/99

Azimuth ID: 9902072-09

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-013-10 Collection Date: 2/17/99

Azimuth ID: 9902072-10

Test Method Sample Result

Lead mNIOSH 7082 0.2335 % by wt

at Printed 2/22/99

Collection Date: 2/17/99
Azimuth ID: 9902072-11

Test Method Sample Result

Lead mNIOSH 7082 0.2550 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

144 1

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

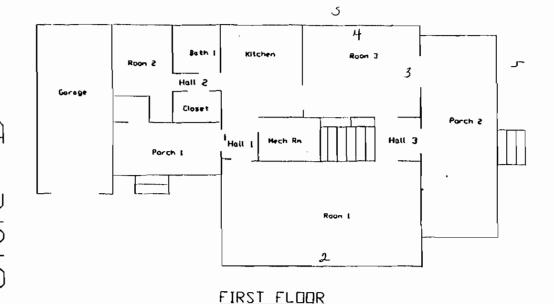
The detection limit for Lead in soil and on wipes is 0.5mg/L. A blank was not submitted with the wipe samples.

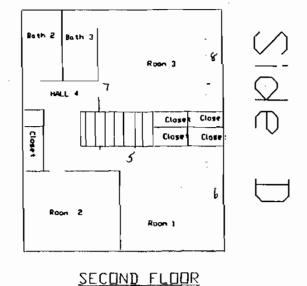
Final Approval: Iny M'Guggan, Lab Manager

Date: FCbRUAY 23, PCF

urt Printed 2/22/99

Side C





Side A

SPORTENVDETCHASN 1899 North Hobson Ave. North Charleston, SC 29405-2106 Ph. (803) 743-6777 Floor PLan Qtrs LL 1351 Avenue G Charleston Naval Complex Charleston, SC

DWG DATE: 3 Mar 98 DWG NAME: Otrs LL

Encl (1) Page 9 of 11



CLIENT: SPORTENVDETCHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN .: Bill Hiers

Project Info: Quarters LL

Purchase Ord: Credit Card - Tom

Workorder: 9903148

Received: 3/31/1999 10:17:00 AM

Received by: McGuiggan T

Validated: 4/8/1999 9:45:00 AM

Validated by: McGuiggan T

Approved: 4/8/1999 9:45:00 AM

Approved by: McGuiggan T

Client Sample ID: 99AZ-030-01

Azimuth ID: 9903148-01

Method Test

mNIOSH 7082 Lead

Collection Date: 3/30/1999

Sample Result

0.1345 % by wt

Client Sample ID: 99AZ-030-02

Azimuth ID: 9903148-02

Test Method

mNIOSH 7082 Lead

Collection Date: 3/30/1999

Sample Result

0.1396 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead in soil is 0.50mg/L.

Final Approval: MY M GRIEGIN CIBMONCY COL

Date: APRIS COL

rusport Printed 4/8/1999

Page 1 of 1

Encl (1)

Page 10 of 11





Test Request Form

A Division of Azimuth. Incorporated 9229 University Blvd

Address 1	ORTH CHARLEST	BSON AVE. ON, S.C. 29405		Special requests: Verbal results Fax report Fax #	- 4413
ect No. DUANETS Itact Neme	LL Sample Typ	((Lead) Phone No.		Date S	CARD- YDW
TBLawrence cial Instruction VALYFE	E / Unusual Conditions / Poss PEN APPEND	ible Interferences:		SuidELINE.	3/31/99 s.
Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
	99AZ-030-01		3-30-99	201	Lead
	99AZ-030-02		3-30-99	Soil	Lead
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	Relinquished by: Souronce		Received by:	Date/Time/
OF	Relinquished by	Date/Tyme	Received at Lab by: Challe	Ţt.
CUSTODY	Method of Shipment:		Sample Condition Upon Receipt: Acceptable	
Authorized	by:	Date		Encl (1)
	(Client Signature Must Accompany Request).			Page 11 of 11



LEAD-BASED PAINT ABATEMENT QUARTERS M-5 OFFICERS' HOUSING CHARLESTON NAVAL COMPLEX CHARLESTON, SC



Prepared for:

DEPARTMENT OF THE NAVY SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON SC



Prepared by:

Supervisor of Shipbuilding, Conversion and Repair, USN, (SUPSHIP) Portsmouth Va., Environmental Detachment Charleston, S.C. 1899 North Hobson Ave.
North Charleston, SC 29405-2106

11 June 1999



DEPARTMENT OF THE NAVY

SUPERVISOR OF SHIPBUILDING. CONVERSION AND REPAIR. USN PORTSMOUTH VIRGINIA. ENVIRONMENTAL DETACHMENT CHARLESTON 1899 NORTH HOBSON AVENUE. BUILDING 30 NORTH CHARLESTON. SOUTH CAROLINA 29405-2106

IN REPLY REFER TO:

Ser: 465

JUN 16 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.

Environmental Detachment Charleston, SC (SPORTENVDETCHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command

Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS M-5, OFFICERS'

HOUSING, CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the

Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters M-5 Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters M-5 located on Charleston Naval Complex is complete. The abatement was performed from 1 March 1999- 13 March 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters M-5.

2. Using procedures outlined in ref (a), a SPORTENVDETCHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters M-5. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Initial *soil* samples tested above HUD lead levels. The top level of the soil was removed, and the soil was resampled. This set of soil sampling results revealed lead levels below the following HUD Limits:

Floors $100 \mu g/ft^2$ Interior Window Sills $500 \mu g/ft^2$ Window Troughs $800 \mu g/ft^2$ Soil $2000 \mu g/ft^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E. R. DEARHART

Lead Hazard Control Visual Clearance Form

Date: 15 March 1999

Name of clearance examiner: Ruth Zech

License No. Pb27150-97038

Apt. no: Quarters M-5

Date cleanup completed: 13 March 1999

Name of property owner: SOUTHNAVFACENGCOM Property address 804 Marine Avenue

Time cleanup completed 1600

Abatement/interim control contractor name: Environmental Detachment Charleston

Address: 1899 North Hobson Avenue Telephone no. 843-743-6777

Check if repeat clearance examination _

Room identifier	List all building components required to be treated in each room	Work on each Component Completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Flr, Rm 1	Walls, Windows, Ceiling & Crown Moulding	Yes	No	No	No
1 st Flr, Rm 2	Walls, Windows & Ceiling	Yes	No	No	No
1 st Flr, Rm 3	Walls, Windows, Ceiling, &Crown Moulding	Yes	No	No	No
Hall 1	Walls, Ceiling	Yes	No	No	No
Hall 3	Walls, Ceiling, & Crown Moulding	Yes	No	No	No
Kitchen	Windows	Yes	No	No	No
Bath 1	Windows	Yes	No	No	No
Porch 1	Walls/Ceiling, Door/Jambs/Casings, Window Stools, Columns/Lattice/Trim,	Yes	No	No	No
Porch 2	Walls/Ceiling/Crown Moulding, Columns/Lattice/Trim, Doors/Jambs/ Casings	Yes	No	No	No
2 ^{no} Fir Rm 1	Walls/Ceiling, Windows	Yes	No	No	No
2 ^{na} Flr Rm 2	Walls/Ceiling/Crown Moulding, Windows, Closet Walls/ Ceiling	Yes	No	No	No
2 ^{na} Flr Rm 3	Walls/Ceiling/Crown Moulding, Closet Walls/Ceiling, Windows	Yes	No	No	No
Bath 2	Windows	Yes	No	No	No
Bath 3	Windows	Yes	No	No	No
Hall 4	Walls, Cabinet Walls, Overhead Door, Overhead Fan Casing, Ceiling & Register, Closet Walls	Yes	No	No	No
Exterior	Porch Columns/Lattice/Trim, Facia/Soffit, Window Sashes/Casings, Screen Sashes, Awnings, Garage Door Casings	Yes	No	No	No

Exterior soil	Treated	_xNot treated
If treated, is bare soil present?	Yes	<u> </u>
Was contaminated soil removed?	Yes	<u> </u>
Is additional soil treatment required?	Yes	_ <u>No</u>
NOTES: All windows and casings replaced		

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date: 15 March 1999

Name of clearance examiner: Ruth Zech

License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM

Property address 804 Marine Avenue Apt. No: Quarters M-5

Clearance categories:

1. Interior treatments without containment.

- 2. Interior teatments with containment.
- 3. Exterior work on painted surfaces.
- 4. Routine maintenance.
- 5. Soil work.

Sample number	Flr	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft²) (can be complete d by lab)	Lab Results (µg/ft²) (can be completed by lab)	Pass or Fail
99AZ-025-01	1	Rm 1	Floor (Side D, in front of door)	2	12" x12"	1	< 49 µg/ft²	Р
99AZ-025-02	1	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 125 µg/ft²	Р
99AZ-025-03	1	Rm 3	Floor (Side D, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-025-04	1	Rm 3	Window Trough (Side C)	2	12" x 4"	.33	< 76 µg/ft²	Р
99AZ-025-05		BLANK	BLANK	2	BLANK	BLANK	< 125 µg/ft²	Р
99AZ-025-06	2	Rm 1	Floor (Side B, in front of door)	2	12" x12"	1	< 25 µg/ft ²	Р
99AZ-025-07	2	Rm 1	Window Sill (Side D)	2	12" x 2-1/2"	.2	< 125 µg/ft²	Р
99AZ-025-08	2	Rm 2	Floor (Side C, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-025-09	2	Bath 2	Window Trough (Side B)	2	12" x 4"	.33	< 76 µg/ft²	Р

Total number of samples on this page 9

Page 1 of 1

Date of sample collection 3/15/1999

Date shipped to lab 3/15/1999

Shipped by

F	15	3
Form	15	1

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date: 15 March 1999

Name of clearance examiner: Ruth Zech

License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM

Property address 804 Marine Avenue

Apt. No: Quarters M-5

Sample number	Location	Bare or covered	Lab result (μg/g)	
99AZ-025-10	Side A Dripline	Bare	59 µg/g	
99AZ-025-11	Side D Dripline	Bare	319 µg/g	
-				
-		_		
	-			
				

Total number of samples on this page $\underline{\mathbf{2}}$

Page **1** of **1**

Date of sample collection 3/15/99

Date shipped to lab 3/15/99

Shipped by

(Signature) /





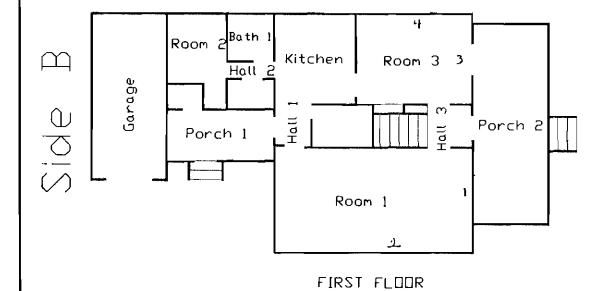
A Division of Azemud	h, Incorporated			_	
9229 University	<u>'</u>				
Charleston, SC					
	Fax (803) 569-3282				
Name En		Charleston		Special requests:	
				Verbal results	
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	och (modes in	29405-210		Fax #	3/23/88
/ } 	N: Bill Hie	75		Results needed by:	3/23/77
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Contact Name		Phone No.		Date St	olpped / /
	a Ruth Zech	743-6777	ext 223		3/16/99
	/ Unusual Conditions / Poss		CX- 500	0. 5,1	9/14/2/
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Lab Use	Sample Number	Sample Volume	Date		Analysis
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	19112 003 01		3-13 1 L	Dustw.pe	Lead
ν	99AZ-024-02	1309			

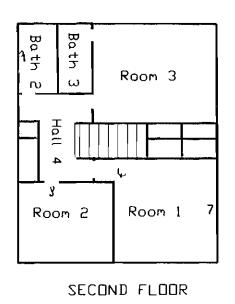
	9972-005-01	1507	3-13-99	Dustw.pe	Lead
	99AZ-025-02	1509			
	99AZ-025-03	1513			
	99AZ-025-04	1515			
	99AZ-025-05	1317			
	99AZ-025-06	1321			
	99AZ-025-07	1523			
	99AZ-025-08	1525			
	99AZ-025-09	1527			
$\underline{\hspace{1cm}}_{\nu}$	99AZ-025-10	1534		501	
	99AZ-025-11	1538		Soil	<u> </u>

American Industrial Hygiene Association: Laboratory Accreditation #367

CHAIN Relinquished by:	31699 1115	Received by W. R. Heers h.	376799 1115
OF Relinquished by:	1447 1447	Received at Lab by Walh	PHU193 144')
CUSTODY Method of Shipment		Sample Condition Upon Receipt Acceptable	Other (explain)
Authonzed by	Date		Encl (1)
(Client Signature Must Accompany Reque			Page 4 of 8

Side C





Side A

SPORTENVDETCHASN 1899 North Hobson Ave. North Charleston, SC 29405-2106 Ph. (803) 743-6777 Quarters M-5 804 Marine Avenue Charleston Naval Complex Charleston, SC

DWG DATE:18 Feb 98

DWG NAME: Qtrs-M5



CLIENT: SPORTENVDETCHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN.: Bill Hiers

Project Info: Qtrs M-5

Purchase Ord: Credit Card - Tom

Workorder: 9903085

Received: 3/16/99 4:12:00 PM

Received by: McGuiggan T

Validated: 3/22/99 9:04:00 AM

Validated by: Gallagher J

Approved: 3/22/99 9:04:00 AM

Approved by: Gallagher J

Client Sample ID: 99AZ-025-01 Collection Date: 3/15/99

Azimuth ID: 9903085-01

Test Method Sample Result

Lead Wipe mNIOSH 7082 49 ug/ft2

Client Sample ID: 99AZ-025-02 Collection Date: 3/15/99

Azimuth ID: 9903085-02

Test Method Sample Result

Lead Wipe mNIOSH 7082 <125 ug/ft2

Client Sample ID: 99AZ-025-03 Collection Date: 3/15/99

Azimuth ID: 9903085-03

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-025-04 Collection Date: 3/15/99

Azimuth ID: 9903085-04

Test Method Sample Result

Lead Wipe mNIOSH 7082 <76 ug/ft2

port Printed 3/23/99

Page 1 of 3

ient Sample ID: 99AZ-025-05 Collection Date: 3/15/99
Azimuth ID: 9903085-05

Test Method Sample Result

Lead Wipe mNIOSH 7082 <125 ug/ft2

Client Sample ID: 99AZ-025-06 Collection Date: 3/15/99

Azimuth ID: 9903085-06

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-025-07 Collection Date: 3/15/99

Azimuth ID: 9903085-07

Test Method Sample Result

Lead Wipe mNIOSH 7082 <125 ug/ft2

Client Sample ID: 99AZ-025-08 Collection Date: 3/15/99

Azimuth ID: 9903085-08

rest Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-025-09 Collection Date: 3/15/99

Azimuth ID: 9903085-09

Test Method Sample Result

Lead Wipe mNIOSH 7082 <76 ug/ft2

Client Sample ID: 99AZ-025-10 Collection Date: 3/15/99

Azimuth ID: 9903085-10

Test Method Sample Result

Lead mNIOSH 7082 0.0059 % by wt

The state of the s

Qtrs M-5

Client Sample ID: 99AZ-025-11

Azimuth ID: 9903085-11

Collection Date: 3/15/99

Jone Caron Date.

Test

Method

Sample Result

Lead

mNIOSH 7082

0.0319 % by wt

Date: Myth 23, 1044

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead on wipes and lead in soil is 0.50mg/L.

Final Approval: DUAM GUAGAN Lab MINIGET



LEAD-BASED PAINT ABATEMENT QUARTERS M-6 OFFICERS' HOUSING CHARLESTON NAVAL COMPLEX CHARLESTON, SC



Prepared for:

DEPARTMENT OF THE NAVY SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON SC



Prepared by:

Supervisor of Shipbuilding, Conversion and Repair, USN, (SUPSHIP) Portsmouth Va., Environmental Detachment Charleston, S.C. 1899 North Hobson Ave.
North Charleston, SC 29405-2106

11 June 1999



DEPARTMENT OF THE NAVY

SUPERVISOR OF SHIPBUILDING. CONVERSION AND REPAIR, USN PORTSMOUTH VIRGINIA. ENVIRONMENTAL DETACHMENT CHARLESTON 1899 NORTH HOBSON AVENUE, BUILDING 30 NORTH CHARLESTON. SOUTH CAROLINA 29405-2106

IN REPLY REFER TO.

Ser: 466 JUN 1 6 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.

Environmental Detachment Charleston, SC (SPORTENVDETCHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command

Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS M-6, OFFICERS'

HOUSING, CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the

Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters M-6 Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters M-6 located on Charleston Naval Complex is complete. The abatement was performed from 1 March 1999- 12 March 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters M-6.

2. Using procedures outlined in ref (a), a SPORTENVDETCHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters M-6. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Initial *soil* samples tested above HUD lead levels. The top level of the soil was removed, and the soil was resampled. This set of soil sampling results revealed lead levels below the following HUD Limits:

Floors	$100 \mu\mathrm{g/ft}^2$
Interior Window Sills	$500 \mu\mathrm{g/ft}^2$
Window Troughs	$800 \mu g/ft^2$
Soil	$2000 \mu\text{g/ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E. R. DEARHART

Lead Hazard Control Visual Clearance Form

Date: 30 March 1999

Name of clearance examiner: Ruth Zech License No. Pb27150-97038

Name of property owner: **SOUTHNAVFACENGCOM** Property Address **761 Commissary St** Apt. No: **Quarters M-6**

Date cleanup completed: 12 March 1999 Time cleanup completed 1600

Abatement/interim control contractor name: Environmental Detachment Charleston

Address: 1899 North Hobson Avenue Telephone No: 843-743-6777

Check if repeat clearance examination _____

Room identifier	List all building components required to be treated in each room	Work on each Component Completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Flr, Rm 1	Windows	YES	NO	NO	No
1 st Flr, Rm 2	Windows	Yes	No	No	NO
1 st Flr, Rm 3	Windows	Yes	NO	No	NO
Kitchen	Windows	Yes	NO	No	NO
Bath 1	Windows	Yes	No	No	NO
Porch 1	Walls/Ceiling, Columns/Lattice/Trim, Thresholds, Door/Jambs/Casings	Yes	No	NO	NO
Porch 2	Walls/Ceiling, Columns/Lattice/Trim, Floor, Door/Jambs/Casings	Yes	No	No	NO
2 ^{na} Flr Rm 2	Windows	Yes	No	NO	NO
2 nd Flr Rm 3	Windows	Yes	No	NO	NO
Bath 2	Windows	Yes	No	No	NO
Bath 3	Windows	Yes	No	No	No
Hall 4	Windows, Closet Hanger Rod	YES	No	No	NO
Exterior	Awnings, Facia/Soffit, Porch Columns/Lattice/Trim, Porch Floors, Window Sashes/Casings, Garage Trim, Bulkhead Door	Yes	No	NO	No

Exterior soil	Treated	_xNot treated
If treated, is bare soil present?	Yes	_XNo
Was contaminated soil removed?	Yes	_XNo
Is additional soil treatment required?	Yes	_XNo
NOTES: All windows and casings replaced		

Signature

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date: 30 March 1999

Name of clearance examiner: Ruth Zech License No. Pb27150-97038

Name of property owner: **SOUTHNAVFACENGCOM** Property address **761 Commissary St** Apt. No: **Quarters M-6**

Clearance categories:

1. Interior treatments without containment.

- 2. Interior teatments with containment.
- 3. Exterior work on painted surfaces.
- 4. Routine maintenance.
- 5. Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft ²) (can be completed by lab)	Lab Results (µg/ft²) (can be completed by lab)	Pass or Fail
99AZ-026-01		BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft²	Р
99AZ-026-02	1	Rm 1	Floor (Side B, in front of door)	2	12" x12"	1	< 47 μg/ft²	Р
99AZ-026-03	1	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 125 µg/ft²	Р
99AZ-026-04	1	Rm 2	Floor (Side B, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-026-05	1	Rm 2	Window Trough (Side C)	2	12" x 4"	.33	< 76 µg/ft²	Р
99AZ-026-06	2	Rm 3	Floor (Side D, in front of door)	2	12" x12"	1	< 25 μg/ft²	Р
99AZ-026-07	2	Rm 3	Window Sill (Side C)	2	12" x 2-1/2"	.2	< 125 µg/ft²	Р
99AZ-026-08	2	Rm 2	Floor (Side D, in front of door)	2	12" x12"	1	< 25 μg/ft²	Р
99AZ-026-09	2	Bath 3	Window Trough (Side D)	2	12" x 4"	.33	< 76 μg/ft²	Р

Total number of samples on this page 9

Page 1 of 1

Date of sample collection 3/30/1999

Date shipped to lab 3/31/1999

Shipped by

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date: 30 March 1999

Name of clearance examiner: Ruth Zech License No. I

License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM Property address 761 Commissary St Apt. No: Quarters M-6

Sample number	Location	Bare or covered	Lab result (μg/g)
99AZ-026-10	Side A Dripline	Bare	781µg/g
99AZ-026-11	Side D Dripline	Bare	397 µg/g
	-		

Sketch soil sampling plot plan. Collect only t	he top 1/2" of soil.
Total number of samples on this page <u>2</u> Page <u>1</u> of <u>1</u>	
Date of sample collection 3/30/99	Date shipped to lab 3/31/99
Shipped by(Signature)	





A Division of Azimuth, Incorporated

9229 University Blvd. Charleston, SC 29406

ect No.	Sample Type	# of Samples	P.O.Cicait (HKV)
- FIN!	all Hers	Result	ts needed by: 4/1/44
- Heira Licepst	ton 56 44405-1106	Fax # .	742 1413
Address 1899 North	+ HOBERS FUELINE	Fax re	port <u>Jes</u>
Name Erv. Detach	WANT (Mr. 45 ton	,	i results
(800) 968-3565 Fax (803) 569	9-3282	Specia	ni requests:
Charleston, CC 27 (CC			

Contact Name

Contact Name

Phone No.

743 6-777 C/4-23 6-214

Special Instructions / Unusual Conditions / Possible Interferences:

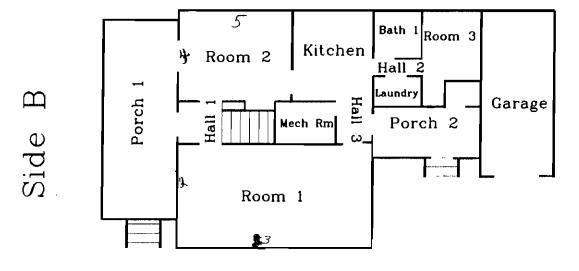
Anna is lovered HID wastelings

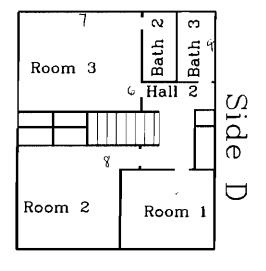
Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
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American Industrial Hygiene Association: Laboratory Accreditation #367

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	Relinquished by: Common of the	121971794 WAS	Received at Lab by Chart	Dag 1449 6405
CUSTODY	Method of Shipmenr	7-7-7	Sample Condition Upon Receipt:	Other (explain)
Authonzed	by:	Date	~	
	(Client Signature Must Accompany Request)			







FIRST FLOOR

SECOND FLOOR

Side A

SPORTENVDETCHASN 1899 North Hobson Ave. North Charleston, SC 29405-2106 Ph. (803) 743-6777 Qtrs M-6 1445 HOBSON AVENUE Charleston Naval Complex Charleston, SC

DWG DATE:18 Feb 98

DWG NAME: Qtrs-X





A Division of Azimuth, Incorporated

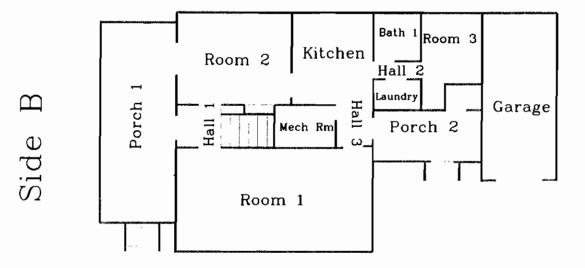
9229 University Blvd. Charleston, SC 29406

-(800)	1 968,3565	Fax (803)) 5 69 -3282
(000	, , , , , , , , ,	tax (UU)	1 202-2602

Name EOV. Address 189 North Piect No. Hrs. No. Mact Name Lawrence Ruh	Mrkston SC Mrkston SC NI Bill Hig Sample Typ Dust Wip	Phone No. 743-6777 ble Interferences:	# of Sample ext.223 uitelines	// Date Ship	P.O.Credit CHI TOM
Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested
_	49AZ-D96-01	1'	3-3099	Dist wipe	Lead
	19AZ-126-02		1		
	94AZ -026-03	<u>.d'</u>			
	99AZ-026 -04				
	49AZ-U26 -05	.33			
	19AZ U36-06) (
	49AZ-036-07	. 2			
<u></u>	99AZ 026-08	1			
	19AZ-U26-09	.33			
ν	99AZ-126-10			Soil	
	19A7-026-11		$\downarrow \downarrow$	Soil	$ \forall$
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		: - -			

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٠ ا	Relinquished by.	3-3-44 10834	Received by Control O	3/37/99 0834
OF	Relinquished by:	377799 0405	Received at Lab by (Shell C	D4319199 6905
CUSTODY	Method at Shipment.	7.77	Sample Condition Upon Receipt: C Acceptable	Other (explain)
Authorized	by: (Client Signature Must Accompany Request)	Date	~	Encl (1) Page 4 of 8
				

Side C



Room 3 Hall 2 Side D

 α

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FIRST FLOOR

SECOND FLOOR

Side A

SPORTENVDETCHASN 1899 North Hobson Ave. North Charleston, SC 29405-2106 Ph. (803) 743-6777 Qtrs M-6 1445 HOBSON AVENUE Charleston Naval Complex Charleston, SC

DWG DATE:18 Feb 98

DWG NAME: Qtrs-X

Encl (1) Page 5 of 8



CLIENT: SPORTENVDETCHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN.: Bill Hiers

Project Info: Qtrs M-6

Purchase Ord: Credit Card - Tom

Workorder: 9903147

Received: 3/31/99 10:17:00 AM

Received by: McGuiggan T

Validated: 4/8/99 9:35:00 AM

Validated by: McGuiggan T

Approved: 4/8/99 9:35:00 AM

Approved by: McGuiggan T

Client Sample ID: 99AZ-026-01 Collection Date: 3/30/99

Azimuth ID: 9903147-01

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-026-02 Collection Date: 3/30/99

Azimuth ID: 9903147-02

Test Method Sample Result

Lead Wipe mNIOSH 7082 47 ug/ft2

Client Sample ID: 99AZ-026-03 Collection Date: 3/30/99

Azimuth ID: 9903147-03

Test Method Sample Result

Lead Wipe mNIOSH 7082 <125 ug/ft2

Client Sample ID: 99AZ-026-04 Collection Date: 3/30/99

Azimuth ID: 9903147-04

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Ruport Printed 4/8/99

Page 1 of 3

Client Sample ID: 99AZ-026-05 Collection Date: 3/30/99

Azimuth ID: 9903147-05

Test Method Sample Result

Lead Wipe mNIOSH 7082 <76 ug/ft2

Client Sample ID: 99AZ-026-06 Collection Date: 3/30/99

Azimuth ID: 9903147-06

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-026-07 Collection Date: 3/30/99

Azimuth ID: 9903147-07

Test Method Sample Result

Lead Wipe mNIOSH 7082 <125 ug/ft2

Client Sample ID: 99AZ-026-08 Collection Date: 3/30/99

Azimuth ID: 9903147-08

'est Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-026-09 Collection Date: 3/30/99

Azimuth ID: 9903147-09

Test Method Sample Result

Lead Wipe mNIOSH 7082 <76 ug/ft2

Client Sample ID: 99AZ-026-10 Collection Date: 3/30/99

Azimuth ID: 9903147-10

Test Method Sample Result

Lead mNiOSH 7082 0.0781 % by wt

Firent Printed 4/8/99 Page 2 of 3

cient Sample ID: 99AZ-026-11

Collection Date: 3/30/99

Azimuth ID: 9903147-11

Test Lead

Method

Sample Result

mNIOSH 7082

0.0397 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead on wipes and in soil is 0.50mg/L.

Final Approval: Down M' (Turyy) , Lah MONOCY

Date: april 8,1999



LEAD-BASED PAINT ABATEMENT QUARTERS M-7 OFFICERS' HOUSING CHARLESTON NAVAL COMPLEX CHARLESTON, SC



Prepared for:

DEPARTMENT OF THE NAVY SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON SC



Prepared by:

Supervisor of Shipbuilding, Conversion and Repair, USN, (SUPSHIP) Portsmouth Va., Environmental Detachment Charleston, S.C. 1899 North Hobson Ave.
North Charleston, SC 29405-2106

11 June 1999



DEPARTMENT OF THE NAVY

SUPERVISOR OF SHIPBUILDING CONVERSION AND REPAIR, USN PORTSMOUTH, VIRGINIA, ENVIRONMENTAL DETACHMENT CHARLESTON 1899 NORTH HOBSON AVENUE, BUILDING 30 NORTH CHARLESTON, SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 467

JUN 1 6 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.

Environmental Detachment Charleston, SC (SPORTENVDETCHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command

Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS M-7, OFFICERS'

HOUSING, CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the

Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters M-7 Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters M-7 located on Charleston Naval Complex is complete. The abatement was performed from 1 March 1999- 12 March 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters M-7.

2. Using procedures outlined in ref (a), a SPORTENVDETCHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters M-7. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Initial *soil* samples tested above HUD lead levels. The top level of the soil was removed, and the soil was resampled. This set of soil sampling results revealed lead levels below the following HUD Limits:

Floors $100 \,\mu g/ft^2$ Interior Window Sills $500 \,\mu g/ft^2$ Window Troughs $800 \,\mu g/ft^2$ Soil $2000 \,\mu g/ft^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E. R. DEARHART

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Form	-13). <i>I</i>

Lead Hazard Control Visual Clearance Form

Date: 30 March 1999

Name of clearance examiner: Ruth Zech

License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM Property address 775 Commissary Apt. No: Quarters M-7

Date cleanup completed: 12 March 1999 Time cleanup completed 1600

Abatement/interim control contractor name: Environmental Detachment Charleston

Address: 1899 North Hobson Avenue Telephone no. 843-743-6777

Check if repeat clearance examination __

Room identifier	List all building components required to be treated in each room	Work on each Component Completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
Stairwell	Walls	Yes	No	No	No
1 st Flr. Porch 1	Walls, Columns, Lattice, Trim	Yes	No No	No	No
2 ^{ro} Fir Rm 1	Window Aprons	Yes	No	No	No
2 nd Flr Rm 2	Walls, Crown Moulding, Window Aprons, Door Jambs/Casings, Closet Walls & Baseboards	Yes	No	No	No
2 nd Flr Rm 3	Window Aprons	Yes	No	No	No
Hall 4	Walls, Fan Boxing	Yes	No	No	No
Exterior	Awnings, Facia/Soffit, Window Sashes/Casings/Stools, Doors & Jambs/Casings Porch Columns/Lattice/Trim,	Yes	No	No	No
				_	

Exterior soil	Treated	_XNot treated
If treated, is bare soil present?	Yes	_xNo
Was contaminated soil removed?	Yes	<u>x</u> No
Is additional soil treatment required?	Yes	<u>x</u> No
NOTES: All windows and casings replaced		

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date: 30 March 1999

Name of clearance examiner: Ruth Zech License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM Property address 775 Commissary Apt. No: Quarters M-7

Clearance categories:

1. Interior treatments without containment.

- 2. Interior teatments with containment.
- 3. Exterior work on painted surfaces.
- 4. Routine maintenance.
- 5. Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft²) (can be complete d by lab)	Lab Results (µg/ft²) (can be completed by lab)	Pass or Fail
99AZ-027-01	1	Porch 1	Floor (Side D, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-027-02		BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft²	Р
99AZ-027-03	1	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 125 µg/ft²	Р
99AZ-027-04	1	Rm 3	Floor (Side D, in front of door)	2	12" x12"	1	< 25 μg/ft²	Р
99AZ-027-05	1	Rm 3	Window Trough (Side C)	2	12" x 4"	.33	< 76 µg/ft²	Р
99AZ-027-06	2	Rm 1	Floor (Side B, in front of door)	2	12" x12"	1	< 25 µg/ft ²	Р
99AZ-027-07	2	Rm 1	Window Sill (Side D)	2	12" x 2-1/2"	.2	< 125 µg/ft²	Р
99AZ-027-08	2	Rm 2	Floor (Side C, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-027-09	2	Bath 2	Window Trough (Side B)	2	12" x 4"	.33	< 76 µg/ft²	Р

Total number of samples on this page 9

Page **1** of **1**

Date of sample collection 3/30/1999

Date shipped to lab 3/31/1999

Shipped by

Signature

—— Form 15.3		\Diamond
	`	\ /

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date: 30 March 1999

Name of clearance examiner: Ruth Zech License

License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM Property address 775 Commissary Apt. No: Quarters M-7

Sample number	Location	Bare or covered	Lab result (μg/g)
99AZ-027-10	Side D Dripline	Bare	333 µg/g
99AZ-027-11	Side C Dripline	Bare	585 µg/g

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page $\underline{2}$ Page 1 of $\underline{1}$

Date of sample collection 3/30/99

Date shipped to lab 3/31/99

Shipped by

Signature



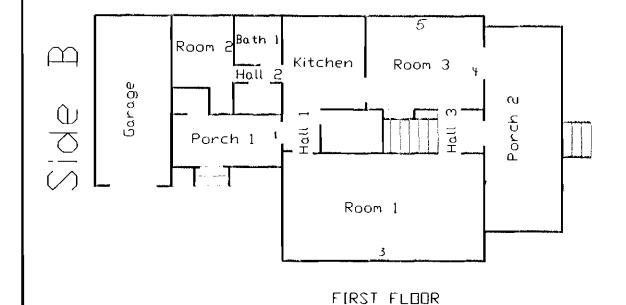


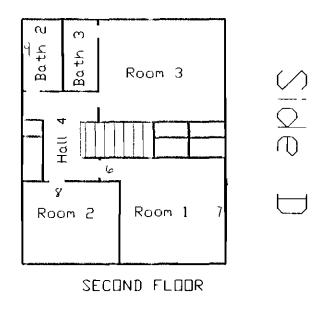
A Division of Azimuth, Incorporated

	29406 5 Fax (803) 569-3282	4 11	1	Special requests:		
Address / 8	RTH CHARLEST	on ave.	RLESTON -2106	Verbal results Fax report YES	73-94/3 4/7/99	
Project No.	BIT HIERS Sample Tyl	pelsoil (Leas	# of Samp	11	P.O. CREDIT CARD -TOM	
Contact Name Tibliaumence	- R. L. Zein	Phone No. 743-6777	<u> </u>	21 219 Date Sh	3/3//99	
ANALY ZE	s / Unusual Conditions / Pdss PER APPENDI	X 14 OF HL	ID Guipi	ELIHES.		
Lab Use Only	Sample Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested	
	99AZ-097-01	1	3-30-99	Dust Wipe	Lead	
	99AZ-087 -02					
	44AZ-687-03	.2'				
	99AZ-047-04	1				
	9447-057-05	.33'				
	99AZ-087-06	1				
	9447-37-07	. 2'				
	99A7-037-08					
	99AZ-027-09	، 33'				
3	79AZ-027-10			50,1		
	19AZ-027-10 19AZ-027-11		\downarrow	Soi)	\bigvee	
nerican Industria	l Hygiene Association: Laborat	tory Accreditation #36	7			

CHAIN	Relinquished by:	Date/Time / UX34	Received by: WITHOUTENAR	3/3/A9 0834
	Relinquished by: ORA TUNO WAR	0-3/37999 M905	Received at Late by Carolina C	- (************************************
CUSTODY	Method of Shipmeny	7	Sample Condition Upon Receipt() 💢 Acceptable	
Authonzed	by: (Client Signature Must Accompany Request)	Date		Encl (1) Page 4 of 8

Side C





Side A

SPORTENVDETCHASN 1899 North Hobson Ave. North Charleston, SC 29405-2106 Ph. (803) 743-6777 Quarters M-7
775 Commissary Street
Charleston Naval Complex
Charleston, SC

DWG DATE:18 Feb 98

DWG NAME: Qtrs-M7

Encl (1) Page 5 of 8



CLIENT: SPORTENVDETCHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN.: Bill Hiers

Project Info: Quarters M-7

Purchase Ord: Credit Card - Tom

Workorder: 9903146

Received: 3/31/99 10:17:00 AM

-11年本家本市

Received by: McGuiggan T

Validated: 4/8/99 9:40:00 AM

Validated by: McGuiggan T

Approved: 4/8/99 9:40:00 AM

Approved by: McGuiggan T

Client Sample ID: 99AZ-027-01 Collection Date: 3/30/99

Azimuth ID: 9903146-01

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-027-02 Collection Date: 3/30/99

Azimuth ID: 9903146-02

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/tt2

Client Sample ID: 99AZ-027-03 Collection Date: 3/30/99

Azimuth ID: 9903146-03

Test Method : Sample Result

Lead Wipe mNIOSH 7082 <125 ug/ft2

Client Sample ID: 99AZ-027-04 Collection Date: 3/30/99

Azimuth ID: 9903146-04

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Report Printed 4/8/99

Page 1 of 3

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Encl (1) Page 6 of 8



4.4.5

Client Sample ID: 99AZ-027-05 Collection Date: 3/30/99

Azimuth ID: 9903146-05

Test Method Sample Result

Lead Wipe mNIOSH 7082 <76 ug/ft2

Client Sample ID: 99AZ-027-06 Collection Date: 3/30/99

Azimuth ID: 9903146-06

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-027-07 Collection Date: 3/30/99

Azimuth ID: 9903146-07

Test Method Sample Result

Lead Wipe mNIOSH 7082 <125 ug/ft2

Client Sample ID: 99AZ-027-08 Collection Date: 3/30/99

Azimuth ID: 9903146-08

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-027-09 Collection Date: 3/30/99

Azimuth ID: 9903146-09

Test Method Sample Result

Lead Wipe mNIOSH 7082 <76 ug/ft2

Client Sample ID: 99AZ-027-10 Collection Date: 3/30/99

Azimuth ID: 9903146-10

Test Method Sample Result

Lead mNIOSH 7082 0.0333 % by wt

Client Sample ID: 99AZ-027-11

Collection Date: 3/30/1999

Azimuth ID: 9903146-11

Test Method Sample Result

Lead mNIOSH 7082 0.0585 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead on wipes and in soil is 0.50mg/L.

Final Approval: DOWN OWGYN, Lab MUNGGE

Date:



LEAD-BASED PAINT ABATEMENT QUARTERS M-8 OFFICERS' HOUSING CHARLESTON NAVAL COMPLEX CHARLESTON, SC



Prepared for:

DEPARTMENT OF THE NAVY SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON SC



Prepared by:

Supervisor of Shipbuilding, Conversion and Repair, USN, (SUPSHIP) Portsmouth Va., Environmental Detachment Charleston, S.C. 1899 North Hobson Ave.
North Charleston, SC 29405-2106

11 June 1999



DEPARTMENT OF THE NAVY

SUPERVISOR OF SHIPBUILDING. CONVERSION AND REPAIR. USN PORTSMOUTH VIRGINIA. ENVIRONMENTAL DETACHMENT CHARLESTON 1899 NORTH HOBSON AVENUE. BUILDING 30 NORTH CHARLESTON. SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 468

JUN 1 6 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.

Environmental Detachment Charleston, SC (SPORTENVDETCHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command

Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS M-8, OFFICERS'

HOUSING, CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the

Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters M-8 Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters M-8 located on Charleston Naval Complex is complete. The abatement was performed from 29 March 1999- 16 April 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters M-8.

2. Using procedures outlined in ref (a), a SPORTENVDETCHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters M-8. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors $100 \mu g/ft^2$ Interior Window Sills $500 \mu g/ft^2$ Window Troughs $800 \mu g/ft^2$ Soil $2000 \mu g/ft^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E. R. DEARHART

Lead Hazard Control Visual Clearance Form

Date: 22 April 1999

Name of clearance examiner: Ruth Zech License No. Pb27150-97038

Name of property owner: **SOUTHNAVFACENGCOM** Property address **1345 Avenue G** Apt. No: **Quarters M-8**

Date cleanup completed: 16 April 1999 Time cleanup completed 1600

Abatement/interim control contractor name: **Environmental Detachment Charleston**

Address: 1899 North Hobson Avenue Telephone no. 843-743-6777 Check if repeat clearance examination

Room identifier	List all building components required to be treated in each room	Work on each Component Completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Flr, Rm 1	Walls, Baseboard and Chair Rail; Windows, Ceiling Crown Moulding, Doors, Door jambs/casings	Yes	No	NO	No
1 st Flr, Rm 2	Walls, Baseboard and Chair Rail; Windows, Ceiling Crown Moulding, Doors, Cabinet Doors, Bookcase Shelving	Yes	No	No	No
1 st Fir, Rm 3	Windows, Baseboards, Door Jambs/Casings	Yes	No	No	No
Kitchen	Windows, Stools, Doors, Door Jambs/Casings	Yes	No	No	No
Hall 1	Walls, Doors, Door Entry/Casings, Crown Moulding	Yes	No	No	No
Hall 3	Windows, Doors, Door Jambs/Casings	Yes	No	No	No
Bath 1	Windows	Yes	No	No	No
Stairs	Baseboards and Risers	Yes	No	No	No
Porch 1	Walls/Ceiling, Columns/Lattice/Trim, Door/Jambs/Casings	Yes	No	No	No
Porch 2	Floor, Walts/Ceiling, Columns/Lattice/Trim, Doors/Jambs/ Casings, Closet Ceiling	Yes	No	No	No
2 nd Flr Rm 1	Windows	Yes	No	No	No
2 nd Fir Rm 2	Windows	Yes	No	No	No
2 nd Flr Rm 3	Windows	Yes	No	No	No
Bath 2	Walls, Windows	Yes	No	No	No
Bath 3	Windows	Yes	No	No	No
Hall 4	Windows	Yes	No	No	No
Stairwell	Newel Post	Yes	No	No	No
Exterior	Facia/Soffit, Porch Columns/Lattice/Trim, Windows, Awnings, Garage Interior Door Jambs & Casings, Porch Floors	Yes	No	No	No

Exterior soil	Treated	<u>x</u> Not treated
If treated, is bare soil present?	Yes	<u> </u>
Was contaminated soil removed?	Yes	No
ls additional soil treatment required?	Yes	<u> </u>
NOTES All 1 I I I I I I I I I I I I I I I I I I		

NOTES: All windows and casings replaced

Signature

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date: 22 April 1999

Name of clearance examiner: Ruth Zech

License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM

Property address 1311 Avenue G

Apt. No: Quarters M8

Clearance categories:

1. Interior treatments without containment.

- 2. Interior teatments with containment.
- 3. Exterior work on painted surfaces.
- 4. Routine maintenance.
- 5. Soil work.

Sample number	Fir	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft²) (can be complete d by lab)	Lab Results (µg/ft²) (can be completed by lab)	Pass or Fail
99AZ-035-01		BLANK	BLANK	2	BLANK	BLANK	< 25 µg/ft²	P
99AZ-035-02	1	Rm 2	Floor (Side B, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-035-03	1	Rm 2	Window Sill (Side C)	2	12" x 2-1/2"	.2	< 125 µg/ft ²	Р
99AZ-035-04	1	Rm 1	Floor (Side B, in front of door)	2	12" x12"	1	< 52 µg/ft²	Р
99AZ-035-05	1	Rm 1	Window Trough (Side A)	2	12" x 4"	.33	< 76 µg/ft²	Р
99AZ-035-06	2	Rm 1	Floor (Side C, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-035-07	2	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 125 µg/ft²	Р
99AZ-035-08	2	Rm 2	Floor (Side D, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-035-09	2	Rm 3	Window Trough (Side C)	2	12" x 4"	.33	< 76 µg/ft²	Р

Total number of samples on this page 9

Page 1 of 1

Date of sample collection 4/22/1999

Date shipped to lab 4/23/1999

Shipped by

Signatura

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ı		,,,			

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date: 22 April 1999

Name of clearance examiner: Ruth Zech License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM Property address 1311 Avenue G Apt. No: Quarters M8

Sample number	nple number Location B		Lab result (μg/g)		
99AZ-035-10	Side B Dripline	Bare	438 μg/g		
99AZ-035-11	Side C Dripline	Bare	508 μg/g		
			<u> </u>		
			-		

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page 2

Page 1 of 1

Date of sample collection 4/22/99

Date shipped to lab 4/23/99

Shipped by

(Signature)



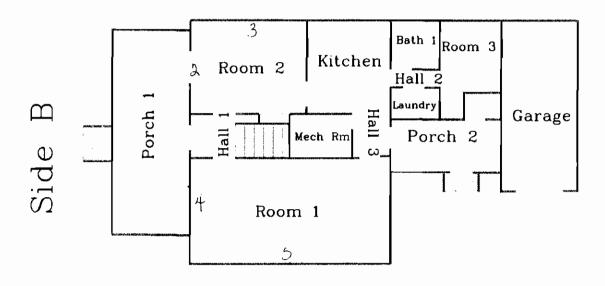


A Division of Azimuth, Incorporated

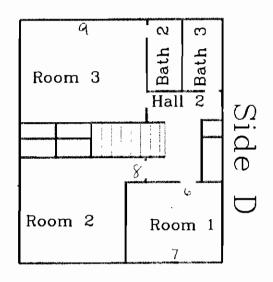
Nama ENVI	9406 Fax (843) 569-8792 RONMENTAL DETI	Special requests: Verbal results Fax report Fex # 743-9413 Results needed by: 430,99							
Project No. Project No. Sample Type Dist i So. Phone No. Phon									
Lab Use Only	Sumple Number or Area	Sample Volume or Time	Date Sampled	Media Type	Analysis Requested				
✓	99AZ-\$35-1		4-2299	Datline	Lead				
<u>√</u>	99AZ-035- 9)	4-32-99	Detlloe	Lead				
✓	99AZ-035-3	.2	4-22-49	Dust Wice	Lead				
	99AZ-035 4		4.22.49	Dot 11/pe	Lead				
	99AZ-035-5	.33	4-22-99	Dust Wipe	Lead				
✓	99AZ-035-6		4-22-99	Dust Wipe	Lead				
	99AZ-035-7	, 2	4-22-99	Dist Wipe	Lend				
J	99AZ-035-8		4-22-99	Dust Wife	Lead				
	94AZ-035-9	. 33	4-22-97	Dust Wife	Lead				
	9992-035-10	402 Jar	4-22-99	30:1	Lead				
	9942-035-11	402 Jav	4-22-49	50:1	Lead				

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	CHAIN	Relinquished by	aci (a	1 93399 0828	Received by Liver	tharan	U-27-95 0828
	OF	Relinquished by	Harriett	(have 03/23/99 10	33 Received at Lab by	MYTHURK	Date/Time 4/23/19] WS
١	CUSTODY	Method of Shipme	nt		Sample Condition Upon Ri	eceipt: Acceptable	Other Encl (1)
	Authorized		ature <u>Must</u> Accompa	ny Request)	_		Page 4 of 8
		(Cilent signa	INGI PROST PROCESSION				

Side C



FIRST FLOOR



SECOND FLOOR

Side A

SPORTENVDETCHASN 1899 North Hobson Ave. North Charleston, SC 29405-2106 Ph. (803) 743-6777 M-8 1445 HOBSON AVENUE Charleston Naval Complex Charleston, SC

DWG DATE:18 Feb 98

DWG NAME: Qtrs-X



CLIENT: SPORTENVOETCHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN .: Bill Hiers

Project Info: Quarters M-8

Purchase Ord: Credit Card-Tom

Workorder: 9904194

Received: 4/26/99 9:49:00 AM

Received by: McGuiggan T

Validated: 5/4/99 9:42:00 AM

Validated by: McGuiggan T

Approved: 5/4/99 9:42:00 AM

Approved by: McGuiggan T

Client Sample ID: 99AZ-035-1 Collection Date: 4/22/99

Azimuth ID: 9904194-01

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-035-2 Collection Date: 4/22/99

Azimuth ID: 9904194-02

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-035-3 Collection Date: 4/22/99

Azimuth ID: 9904194-03

Test Method Sample Result

Lead Wipe mNIOSH 7082 <125 ug/ft2

Client Sample ID: 99AZ-035-4 Collection Date: 4/22/99

Azimuth ID: 9904194-04

Test Method Sample Result

Lead Wipe mNIOSH 7082 52 ug/ft2

Report Printed 5/4/99

Page 1 of 3

Test

enent Sample ID: 99AZ-035-5

Azimuth ID: 9904194-05

Collection Date: 4/22/99

Method Sample Result

Lead Wipe mNiOSH 7082 <76 ug/ft2

Client Sample ID: 99AZ-035-6 Collection Date: 4/22/99

Azimuth ID: 9904194-06

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-035-7 Collection Date: 4/22/99

Azimuth ID: 9904194-07

Test Method Sample Result

Lead Wipe mNIOSH 7082 <125 ug/ft2

Client Sample ID: 99AZ-035-8 Collection Date: 4/22/99

Azimuth ID: 9904194-08

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Client Sample ID: 99AZ-035-9 Collection Date: 4/22/99

Azimuth ID: 9904194-09

Test Method Sample Result

Lead Wipe mNIOSH 7082 <76 ug/ft/2

Client Sample ID: 99AZ-035-10 Collection Date: 4/22/99

Azimuth ID: 9904194-10

Test Method Sample Result

Lead mNIOSH 7082 0.0438 % by wt

crient Sample ID: 99AZ-035-11

Azimuth ID: 9904194-11

Collection Date: 4/22/99

Test

Lead

Method

Sample Result

mNIOSH 7082

0.0508 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead on wipes and in soil is 0.50mg/L.

Final Approval: Donya M'Guiggan, Lab Manager

Date: M4, 1999



LEAD-BASED PAINT ABATEMENT QUARTERS M-9 OFFICERS' HOUSING CHARLESTON NAVAL COMPLEX CHARLESTON, SC



Prepared for:

DEPARTMENT OF THE NAVY SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND CHARLESTON SC



Prepared by:

Supervisor of Shipbuilding, Conversion and Repair, USN, (SUPSHIP) Portsmouth Va., Environmental Detachment Charleston, S.C. 1899 North Hobson Ave.
North Charleston, SC 29405-2106

11 June 1999



DEPARTMENT OF THE NAVY

SUPERVISOR OF SHIPBUILDING CONVERSION AND REPAIR, USN PORTSMOUTH, VIRGINIA ENVIRONMENTAL DETACHMENT CHARLESTON 1899 NORTH HOBSON AVENUE BUILDING 30 NORTH CHARLESTON SOUTH CAROLINA 29405-2106

IN REPLY REFER TO

Ser: 469

JUN 1 6 1999

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va.

Environmental Detachment Charleston, SC (SPORTENVDETCHASN)

To: Commanding Officer, Southern Division Naval Facilities Engineering Command

Attn: Archie Browder, Code 18B4 (SOUTHDIV)

Subj: LEAD-BASED PAINT ABATEMENT FOR QUARTERS M-9, OFFICERS'

HOUSING, CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

Ref: (a) U.S. Department of Housing and Urban Development (HUD) Guidelines for the

Evaluation and Control of Lead Based Paint Hazards in Housing, dated June 1995

Encl: (1) Quarters M-9 Clearance Sampling Results and HUD Visual Inspection Form

1. Abatement of lead-based paint (LBP) from Quarters M-9 located on Charleston Naval Complex is complete. The abatement was performed from 29 March 1999- 16 April 1999, by Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, Va., Environmental Detachment Charleston. Enclosure (1) provides the LBP Abatement Report for Quarters M-9.

2. Using procedures outlined in ref (a), a SPORTENVDETCHASN Certified Lead Inspector/Risk Assessor conducted clearance dust and soil sampling for Quarters M-9. Azimuth Laboratories, a National Lead Laboratory Accreditation Program participant, provided analytical results of these samples. Results revealed lead levels below the following HUD Limits:

Floors $100 \mu g/\text{ft}^2$ Interior Window Sills $500 \mu g/\text{ft}^2$ Window Troughs $800 \mu g/\text{ft}^2$ Soil $2000 \mu g/\text{ft}^2$

3. If you have any questions, please contact Ruth Zech or John Lawrence at (843) 743-6777 extensions 219 or 223 respectively.

E. R. DEARHART

Lead Hazard Control Visual Clearance Form

Date: 22 April 1999

Name of clearance examiner: Ruth Zech

License No. Pb27150-97038

Name of property owner: **SOUTHNAVFACENGCOM** Property address **1345 Avenue G** Apt. no: **Quarters M-9**

Date cleanup completed: 16 April 1999 Time cleanup completed 1600

Abatement/interim control contractor name: Environmental Detachment Charleston

Address: 1899 North Hobson Avenue Telephone no. 843-743-6777 Check if repeat clearance examination _____

Room identifier	List all building components required to be treated in each room	Work on each Component Completed? (yes or no)	Visible paint Chips seen? (yes or no)	Visible Settled Dust seen? (yes or no)	Additional work required?
1 st Flr, Rm 1	Window Aprons, Door Jambs/Casings	Yes	No	No	No
1 st Flr, Rm 2	Baseboard	Yes	No	No	No
1 st Flr, Rm 3	Window Aprons, Baseboards, Wall Register, Door Jambs/Casings	Yes	No	No	No
Kitchen	Window Aprons	Yes	No	No	No
Hall 1	Doors, Door Jambs/Casings	Yes	No	No	No
Hall 3	Cabinet Doors, Baseboards, Doors, Door Jambs/Casings	Yes	No	No	No
Bath 1	Doors, Window Aprons	Yes	No	No	No
Porch 1	Columns/Lattice/Trim, Walls/Ceiling, Doors, Door/Jambs/Casings, Closet ceiling	Yes	No	No	No
Porch 2	Walls/Ceiling, Columns/Lattice/Trim	Yes	No	No	No
2 nd FIr R m 1	Walls & Baseboard, Crown Moulding, Window Aprons, Doors, Closet Baseboards	Yes	No	No	No
2 nd Flr Rm 2	Window Aprons, Doors, Baseboards, Closet Baseboards	Yes	No	No	No
2 nd Flr Rm 3	Window Aprons, Closet Baseboards	Yes	No	No	No
Hall 4	Cabinet Doors, Closet Baseboards	Yes	No	No	No
Exterior	Facia/Soffit, Porch Columns/Lattice/Trim, Window Sashes/Aprons/Casings	Yes	No	No	No

Exterior soil	Treated	_xNot treated
If treated, is bare soil present?	Yes	<u> </u>
Was contaminated soil removed?	Yes	<u>N</u> o
Is additional soil treatment required?	Yes	<u> </u>
NOTES: All windows and casings replaced		

Lead Hazard Control Clearance Dust Sampling Form (Single-Surface Sampling)

Date: 22 April 1999

Name of clearance examiner: Ruth Zech License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM Property address 1311 Avenue G Apt. No: Quarters M9

Clearance categories:

1. Interior treatments without containment.

- 2. Interior teatments with containment.
- 3. Exterior work on painted surfaces.
- 4. Routine maintenance.
- 5. Soil work.

Sample number	Flr	Room # or identifier	Surface type (floor, interior window sill, window trough)	Clearance Category number	Dimensions of sample area (inches)	Area (ft²) (can be complete d by lab)	Lab Results (µg/ft²) (can be completed by lab)	Pass or Fail
99AZ-036-01		BLANK	BLANK	2	BLANK	BLANK	< 25 μg/ft²	Р
99AZ-036-02	1	Rm 1	Floor (Side D, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-036-03	1	Rm 1	Window Sill (Side A)	2	12" x 2-1/2"	.2	< 125 µg/ft²	Р
99AZ-036-04	1	Rm 3	Floor (Side D, in front of door)	2	12" x12"	1	< 25 μg/ft²	Р
99AZ-036-05	1	Rm 3	Window Trough (Side C)	2	12" x 4"	.33	< 76 μg/ft²	Р
99AZ-036-06	2	Rm 1	Floor (Side B, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-036-07	2	Rm 1	Window Sill (Side D)	2	12" x 2-1/2"	.2	< 125 µg/ft²	Р
99AZ-036-08	2	Rm 2	Floor (Side C, in front of door)	2	12" x12"	1	< 25 µg/ft²	Р
99AZ-036-09	2	Bath 2	Window Trough (Side B)	2	12" x 4"	.33	< 76 µg/ft²	Р

Total number of samples on this page 9

Page 1 of 1

Date of sample collection 4/22/1999

Date shipped to lab 4/23/1999

Shipped by (Signature)

Lead Hazard Control Clearance Soil Sampling Form (Composite Sampling Only)

Date: 22 April 1999

Name of clearance examiner: Ruth Zech

License No. Pb27150-97038

Name of property owner: SOUTHNAVFACENGCOM

Property address 1311 Avenue G

Apt. No: Quarters M9

Sample number	Location	Bare or covered	Lab result (μg/g)
99AZ-036-10	Side A Dripline	Bare	392 μ g/g
99AZ-036-11	Side D Dripline	Bare	511 μ g/g
_			
_			

Sketch soil sampling plot plan. Collect only the top 1/2" of soil.

Total number of samples on this page 2

Page 1 of 1

Date of sample collection 4/22/99

Date shipped to lab 4/23/99

Shipped by

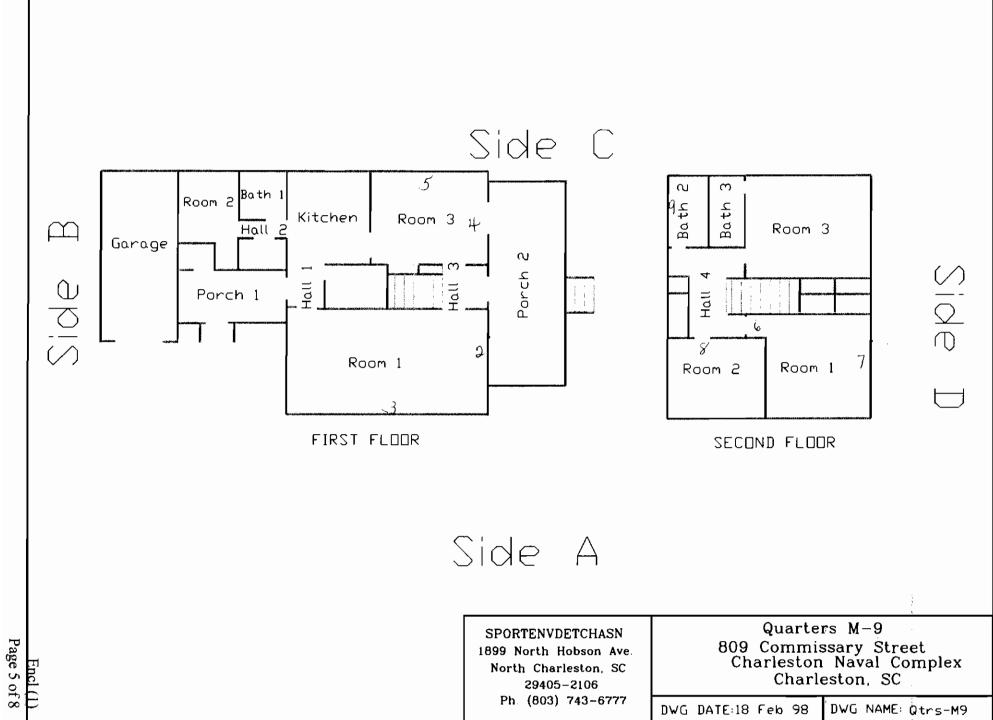




A Division of Azimuth, Incorporated 9229 University Blvd.

Name EAV Address IS9 Project No Contact Name	Fax (843) 569-8792 Detachment 9 North Hobsen	Special requests: Verbal results Fax report Fax # 743 - 94 Results needed by: Date Shi	4/30/99 P.O. CREDIT CAR		
Lab Use Only	Sample Number or Area	Sample Volume or Time 2	Date Sampled	Media Type	Analysis Requested
J	99AZ-Ø36-1		4-22-99	Dust Wipe	Load
√	99AZ-036-2		4-22-99	Da vice	Lead
V	99AZ-036 -3	. 2	4-22-99	DIST Wipe	Lead
✓	99AZ-636-4		4-22-99	Dust Wipe	Lead.
J	99AZ-036-5	. 33	4-22-99	Dust Wipe	head
	99AZ-036 -6	1	4-22-99	Dust Wipe	Lead
	99AZ-036 -7	.2	4-22-99	Dist Wipe	Lead
	99AZ-036 -8		42299	Dust Wee	Lead
	99/12-036 -9	,33	42299	Dist Wipe	Lead
	9972-036 -10	402 Jar	4-22-99	5011	Lead -
	99AZ-036 -11	4025al	4.2299	5011	Lead.
	Hygiene Association: Laborat				

	and Hamitt Charles			
CHAIN	Relinquished by:	143 49 0628	Received by Chorin Washington	Day 23-49 08-28
OF	Relinquished by Canada Charle	Daio 23799 1623	Received at Lab by 2. M Orugina	Date/Time 4/72/04 1/23
CUSTODY	Method of Shipment	17 - 7	Sample Condition Upon Receipt: Acceptable	Other Encl. (1)
Authorized	(Client Signature Must Accompany Request)	Date		Page 4 of 8
			· · · · · · · · · · · · · · · · · · ·	





CLIENT: SPORTENVDETCHASN

1899 N Hobson Ave., BLDG. 30

N. Charleston, SC 29405-2106

ATTN .: Bill Hiers

Project Info: Quarters M-9

Purchase Ord: Credit Card-Tom

Workorder: 9904193

Received: 4/26/99 9:49:00 AM

Received by: McGuiggan T

Validated: 5/4/99 9:44:00 AM

Validated by: McGuiggan T

Approved: 5/4/99 9:44:00 AM

Approved by: McGuiggan T

Client Sample ID: 99AZ-036-1 Collection Date: 4/22/99

Azimuth ID: 9904193-01

Test Method Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

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Azimuth ID: 9904193-02

Test Method Sample Result

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Azimuth ID: 9904193-03

Test Method Sample Result

Lead Wipe mNiOSH 7082 <125 ug/ff2

Client Sample ID: 99AZ-036-4 Collection Date: 4/22/99

Azimuth ID: 9904193-04

Test Sample Result

Lead Wipe mNIOSH 7082 <25 ug/ft2

Report Printed 5/4/99

Page 1 of 3

Encl (1) Page 6 of 8 _ient Sample ID: 99AZ-036-5

Azimuth ID: 9904193-05

Collection Date: 4/22/99

Collection Date: 4/22/99

Test Method

Lead Wipe

Lead Wipe

mNiOSH 7082

Sample Result <76 ug/ft2

Client Sample ID: 99AZ-036-6

Azimuth ID: 9904193-06

Test

Method

mNIOSH 7082

Sample Result

<25 ug/ft2

Client Sample ID: 99AZ-036-7

Azimuth ID: 9904193-07

Test Method

mNIOSH 7082

Collection Date: 4/22/99

Sample Result <125 ug/ft2

Client Sample ID: 99AZ-036-8

Azimuth ID: 9904193-08

Test

Lead Wipe

Method

Lead Wipe mNIOSH 7082

Collection Date: 4/22/99

Sample Result

Client Sample ID: 99AZ-036-9

Azimuth ID: 9904193-09

Test .

Method

NOCH 7000

Lead Wipe mNIOSH 7082

Collection Date: 4/22/99

Sample Result

<76 ug/ft2

Collection Date: 4/22/99

Client Sample ID: 99AZ-036-10

Azimuth ID: 9904193-10

Test ...

Lead

Method

Sample Result

mNIOSH 7082

0.0392 % by wt

Client Sample ID: 99AZ-036-11

Azimuth ID: 9904193-11

Collection Date: 4/22/99

Test

Method

Sample Result

mNIOSH 7082 Lead

0.0511 % by wt

Director of Laboratories: Richard D. Bennett, MSPH CIH

AIHA Laboratory ID Number: 9044

Report Printed 5/4/99

NY State ELAP Lab No. 11052

ELLAP Laboratory ID Number: 9044

The detection limit for lead on wipes and in soil is 0.50mg/L.

Final Approval: DONNA M'GUGGO Lab MUNCY LC

Date: May 4, 904

Page 3 of 3